

ELEVENTH ANNUAL REPORT
OF THE
PRESIDENT AND DIRECTORS
OF THE
LAKE SHORE
AND
MICHIGAN SOUTHERN
RAILWAY COMPANY
TO THE STOCKHOLDERS,

FOR THE

FISCAL YEAR ENDING DEC. 31, 1880.



CLEVELAND:

SHORT & FORMAN, PRINTERS AND STATIONERS,
1881.

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REPORT.

The President and Directors of the LAKE SHORE AND MICHIGAN SOUTHERN RAILWAY COMPANY submit to the stockholders the following report for the year ending December 31, 1880:

ROAD OPERATED.

The miles of road operated has not varied in eight years, and are as follows:

Main Line—Buffalo, N. Y., to Chicago, Ill.....	540.49 miles.
Five L. S. & M. S. Branches	324.38 "
Total miles L. S. & M. S. R'y proper	864.87 miles.
Three proprietary roads owned wholly by L. S. & M. S. R'y Co., but under other organizations.....	160.07
Three leased roads.....	152.73
Total miles operated.....	1,177.67

With 235.79 miles second track, and 480.20 miles side tracks, making in all 1893.66 miles of track, of which 1,125 miles are laid with steel, an increase of 43 miles in 1880.

CONSTRUCTION AND EQUIPMENT.

Nothing was charged to these accounts in either 1880 or 1879.

There was added to the equipment

In 1879, 700 new freight cars, costing	\$300,000
In 1880, 1500 new freight cars, costing.....	700,000
Other improvements, such as iron bridges, new station buildings, purchases of real estate, &c.	
In 1879.....	150,000
In 1880.....	100,000
TOTAL two years.....	\$1,250,000
All charged to operating expenses.	

CAPITAL STOCK.

The Capital Stock of the Company is \$50,000,000, to-wit:

Guaranteed (10 per cent).....	5,335 Shares—\$100	\$ 533,500
Ordinary.....	494,665 Shares— 100.....	49,466,500
	500,000 Shares—\$100.....	\$50,000,000

Of the guaranteed stock, the claim for dividends between 1857 and 1863 has been settled on \$360,600, leaving \$172,900 still unsettled.

Dividends of 5 per cent. February 1, and 5 per cent. August 1, have been regularly paid on this stock since August 1, 1863, the date of the first dividend.

Of the ordinary stock the Company owns 2,682 shares (\$268,200,) which appears among its assets in the balance sheet.

FUNDED DEBT.

The funded debt stood December 31, 1879.....	\$35,915,000
December 31, 1880.....	35,665,000
REDUCTION	\$250,000

Effected by the purchase for the Sinking Fund and cancellation of \$250,000 First Mortgage Bonds. The Sinking Fund now amounts to \$2,500,000, the accumulation of ten years.

The usual detailed table of the funded debt may be found on a subsequent page.

EARNINGS.

	1880.	1879,
From Freight.....	\$14,077,294 32	\$11,288,260 62
From Passengers.....	3,761,008 06	3,138,003 59
From Mails.....	537,841 10	517,446 16
From Express.....	243,052 17	201,695 65
From all other sources.....	130,265 26	126,086 45
TOTAL.....	\$18,749,460 91	\$15,271,492 47
Operating Expenses and Taxes.....	10,418,104 73	8,934,524 42
Per Cent	55 56	58 50
NET EARNINGS.....	\$ 8,331,356 18	\$ 6,336,968 05
Increase in Gross Earnings.....	\$ 3,477,968 44	22.77 per cent
Increase in Expenses.....	1,483,580 31	16.60 "
Increase in Net Earnings	1,994,388 13	31.47 "

DISPOSITION OF NET EARNINGS.--1880.

Fixed Charges after deducting \$208,661.45 derived from interest and dividends on assets	\$2,750,374.33
Contribution to Sinking Fund	250,000.00
Dividends, two of 4 per cent. each	3,957,320.00
TOTAL PAYMENTS	6,957,694.33
Balance, surplus for the year	1,373,661.85
	\$8,331,356.18

The amount earned for each share (\$100) of the capital stock, after the payment of prior fixed charges was \$11.28 against \$7.24 in 1879 and \$5.61 in 1878.

The financial results of the eleven years since consolidation are shown in the following condensed table :

Year.	Miles.	Gross Earnings.	OPERATING EXPENSES.		Net Earnings.	Fixed Charges.	DIVIDENDS, per share of \$100.	
			Amount.	Per cent.			Earned.	Paid.
1870-----	1013	\$13,509,236	\$ 8,368,821	61.95	\$5,140,415	\$1,828,897	\$ 9 60	\$8 00
1871-----	1074	14,898,449	9,779,806	65.64	5,118,643	2,121,164	8 37	8 00
1872-----	1136	17,699,935	11,839,526	66.90	5,860,409	2,201,459	8 55	8 00
1873-----	1177	19,414,509	13,746,598	70.90	5,667,911	2,654,560	6 10	4 00
1874-----	1177	17,146,131	11,152,371	65.04	5,993,760	3,008,193	6 04	3 25
1875-----	1177	14,434,199	10,531,501	72.96	3,902,698	2,810,294	2 20	2 00
1876-----	1177	13,949,177	9,574,836	68.64	4,374,341	2,759,989	3 26	3 25
1877-----	1177	13,505,159	8,963,966	66.37	4,541,193	2,775,657	3 57	2 00
1878-----	1177	13,979,766	8,486,601	60.70	5,493,165	2,718,792	5 61	4 00
1879-----	1177	15,271,492	8,934,524	58.50	6,336,968	2,754,988	7 24	6 50
1880-----	1177	18,749,461	10,418,105	55.56	8,331,356	2,750,374	11 28	8 00

As the largest gross earnings were made in the year 1873, a comparison of the aggregates and results of that year with those of 1880 is here given.

	1880.	1873.
Gross Earnings -----	\$ 18,749,461	\$19,414,509
Operating Expenses -----	10,418,105	13,746,598
Per Cent. -----	55.56	70.90
Net Earnings -----	8,331,356	5,667,911
Tons freight moved one mile. -----	1,851,166,018	1,053,927,189
Rate per ton, per mile -----	Cent 0.750	Cent 1.335

These figures show that we had to do eighty per cent. more work to earn a dollar in 1880 than we did in 1873. In other words, the public obtained transportation for 180 tons freight in 1880 for the same money they paid for 100 tons in 1873.

The following table shows the freight business for eleven years 1870—1880.

FREIGHT.

Year.	Tons.	Average Miles Hauled.	Tons One Mile	Revenue.	Receipt per ton per mile.	Cost per ton per mile.	Profit per ton per mile
1870-----	2,978,725	192.7	574,085,571	\$ 8,746,126	CENT. 1.504	CENT. .932	CENT. .572
1871-----	3,784,525	193.9	733,670,696	10,341,213	1.391	.913	.478
1872-----	4,443,092	208.2	924,844,140	12,824,862	1.374	.920	.454
1873-----	5,170,661	203.6	1,053,927,189	14,192,399	1.335	.946	.389
1874-----	5,221,267	191.4	999,342,081	11,918,350	1.180	.767	.413
1875-----	5,022,490	187.8	943,236,161	9,639,038	1.010	.737	.273
1876-----	5,635,167	201.2	1,133,834,828	9,405,629	.817	.561	.256
1877-----	5,513,398	195.9	1,080,005,561	9,476,608	.864	.573	.291
1878-----	6,098,445	219.8	1,340,467,821	10,048,952	.734	.474	.260
1879-----	7,541,294	229.9	1,733,423,440	11,288,261	.642	.398	.244
1880-----	8,350,336	221.7	1,851,166,018	14,077,294	.750	.435	.315

As compared with 1879 the freight business of 1880 show the following changes :

	1880.	1879.	Increase.	Per cent.
Tons carried.....	8,350,336	7,541,294	809,042	10.73
Tons, one mile.....	1,851,166,018	1,733,423,440	117,742,578	6.79
Earnings.....	\$14,077,294	\$11,288,261	\$2,789,033	24.71

The Passenger business which had, in common with that business on other principal roads, shown a steady decline since 1873 shows this year an increase. A comparison with 1879 is here given :

	1880.	1879.	Increase.	Per ct.
Number passengers carried.....	3,313,485	2,822,121	491,364	17.40
Number passengers carried one mile.....	176,148,767	141,162,317	34,986,450	24.79
Earnings.....	\$3,761,008.06	\$3,138,003.59	\$623,004.47	19.86

A noticeable feature of the gain in passenger business, is that it is largely caused by the heavy immigration from foreign lands to the cheap fertile lands of the West, insuring a continuance of the marvellous growth in the production of food to be moved to the sea board.

The passenger business for the eleven years 1870—1880 is shown in the following table :

PASSENGERS.

Year.	Number passengers carried.	Average Distance	Passengers One Mile.	Revenue.	Receipt per passenger per mile.	Cost per passenger per mile.	Profit per passenger per mile
					CENT.	CENT.	CENT.
1870.....	2,065,440	77	160,500,114	\$4,192,960	2.612	1.618	.994
1871.....	2,046,428	70	142,684,243	4,006,724	2.808	1.843	.965
1872.....	2,212,754	74	162,308,495	4,218,543	2.599	1.739	.860
1873.....	2,845,163	63	179,363,173	4,569,730	2.542	1.802	.740
1874.....	3,096,263	56	173,224,572	4,249,022	2.452	1.595	.857
1875.....	3,170,234	52	164,950,861	3,922,798	2.378	1.735	.643
1876.....	3,119,923	56	175,510,501	3,664,148	2.090	1.438	.652
1877.....	2,742,295	50	138,116,618	3,203,200	2.319	1.539	.780
1878.....	2,746,032	49	133,702,021	3,057,393	2.287	1.166	1.121
1879.....	2,822,121	50	141,162,317	3,138,003	2.223	1.448	.775
1880.....	3,313,485	53	176,148,767	3,761,008	2.135	1.341	.794

OPERATING EXPENSES.

The road was operated in 1880 for 55.56 per cent. of the earnings. This included all outlay, as nothing was charged to construction or equipment. Besides the addition to the property already mentioned, there was included in the operating expenses the cost of 7,590 tons steel rails, increasing the number of miles of track laid with steel from 1,082 to 1,125. The side tracks were increased 12 miles. The passenger equipment was all supplied with the automatic brake, and other improvements looking towards the highest standard of efficiency and safety, were made.

CONCLUSION,

The transactions of the year show the correctness of the opinion expressed in previous reports, and which had for a long time been held by all reflecting railroad managers—that success was to be found in a large volume of traffic at low rates.

The Board of Directors, at the declaration of the dividend payable Feb. 1st, 1881, resolved to make dividends quarterly—the first one to be paid on May 1st, 1881.

WILLIAM H. VANDERBILT,
President.

Cleveland, May 4th, 1881.

LAKE SHORE & MICHIGAN SOUTHERN RAILWAY COMPANY.

EARNINGS.		1880.	Per Cent.
From Freight.....		\$14,077,294.32	75.08
“ Passengers.....		3,761,008.06	20.06
“ Mails.....		537,841.10	2.87
“ Express.....		243,052.17	1.30
“ Rents.....		80,649.88	0.43
“ All other sources.....		49,615.38	0.26
TOTAL.....		18,749,460.91	100.
OPERATING EXPENSES.		1880.	Per Cent. of Earnings.
Salaries, general officers and clerks.....		\$ 269,329.72	1.44
Law expenses.....		50,603.01	.27
Stationery and printing.....		63,471.28	.34
Outside agencies and advertising.....		223,186.92	1.19
Contingencies.....		23,356.54	.12
Repairs of bridges [including culverts and cattle guards,].....		215,942.00	1.15
Repairs buildings and fixtures.....		194,853.10	1.04
Repairs fences, road crossings and signs.....		47,604.18	.25
Rail renewals.....		298,308.56	1.59
Tie renewals.....		174,778.84	.93
Repairs roadway and track.....		883,584.81	4.71
Repairs locomotives.....		635,024.98	3.38
Fuel for locomotives.....		1,066,085.67	5.74
Water supply.....		54,136.65	.29
Oil and waste.....		93,676.34	.50
Locomotive service.....		816,379.91	4.35
Repairs passenger cars.....		206,643.02	1.10
Passenger train service.....		155,379.74	.82
Passenger train supplies.....		19,127.57	.10
Repairs freight cars.....		627,187.91	3.34
Freight train service.....		500,569.95	2.67
Freight train supplies.....		4,231.10	.02
Telegraph expenses [maintaining and operating,].....		227,440.72	1.21
Damage and loss to freight and baggage.....		19,840.74	.11
Damage to property, including cattle.....		7,138.52	.03
Personal injuries.....		83,902.55	.45
Agents and station service.....		1,722,520.40	9.19
Station supplies.....		68,935.94	.36
Hire of cars [debit balance].....		450,969.85	2.40
Rents.....		76,255.45	.40
TOTAL OPERATING EXPENSES.....		\$9,280,465.97	49.49
Taxes.....		437,638.76	2.34
TOTAL OPERATING EXPENSES AND TAXES.....		\$9,718,104.73	51.83
New freight cars [1,500].....		700,000.00	3.73
GRAND TOTAL.....		\$10,418,104.73	55.56
NET EARNINGS.....		8,331,356.18	44.44
			100.

INCOME ACCOUNT—1880.

Gross Earnings.....	\$18,749,460 91
Interest and Dividends on Assets.....	208,661 45
TOTAL.....	\$18,958,122 36
Less—	
Operating Expenses and Taxes.....	\$10,418,104 73
Interest on Funded Debt, viz:—	
Lake Shore & Michigan Southern.....	\$2,514,050 00
Detroit, Monroe & Toledo.....	64,680 00
Kalamazoo & White Pigeon.....	44,000 00
	<u>2,622,730 00</u>
Rental Leased Roads, viz:—	
Erie & Kalamazoo.....	\$ 30,000 00
Kalamazoo, Allegan & Grand Rapids.....	103,800 00
Jamestown & Franklin—40 per cent, of earnings.....	61,267 05
Mahoning Coal Railroad—40 per cent of earnings.....	87,888 73
	<u>282,955 78</u>
Dividends Guaranteed Stock (10 per cent.).....	53,350 00
Dividends Ordinary Stock—	
August 1, 1880, No. 19.....4 per cent. }	3,957,320 00
February 1, 1881, No. 20.....4 per cent. }	
	<u>17,334,460 51</u>
SURPLUS 1880.....	\$ 1,623,661 85
Add amount to credit income account January 1, 1880.....	3,078,561 85
	<u>\$ 4,702,223 70</u>
Same, December 31, 1879.....	\$ 3,078,561 85
Same, December 31, 1878.....	3,245,132 37
Same, December 31, 1877.....	2,564,872 61
Same, December 31, 1876.....	2,288,767 73
Same, December 31, 1875.....	2,282,077 24
Same, December 31, 1874.....	2,179,303 00
Same, December 31, 1873.....	1,428,675 44
Same, December 31, 1872.....	1,417,629 74
Same, December 31, 1871.....	1,369,927 33
Same, December 31, 1870.....	1,529,889 59
Same, December 31, 1869.....	1,187,579 86

CONDENSED BALANCE SHEET, DECEMBER 31, 1880.

ASSETS.

Lake Shore & Michigan Southern Railway and Branches.....	864.87 miles.....	\$65,600,000 00	
Equipment—494 Locomotives, 13,611 cars		14,378,000 00	
			79,978,000 00
Detroit, Monroe & Toledo Railroad.....	62.36 miles.....	1,295,600 00	
White Pigeon & Kalamazoo Railroad.....	36.57 miles.....	610,000 00	
Northern Central Michigan Railroad.....	61.14 miles.....	1,357,000 00	
Jamestown & Franklin Railroad, 51 miles—			
Advances to December 31, 1880.....		\$1,082,185 11	
First Mortgage Bonds (\$273,000).....		240,300 00	
Second Mortgage Bonds (\$300,000).....		255,000 00	
Stock (\$400,000).....		320,000 00	
			1,897,485 11
Chicago & Canada Southern Railway—			
First Mortgage Bonds.....	\$1,732,500 00 }		
Stock.....	1,384,700 00 }	660,000 00	

STOCKS.

Lake Shore & Michigan Southern Railway, (2,682 shares).....	268,200 00
Detroit, Monroe & Toledo Railroad, (4 140 shares, entire issue except 1 share).....	414,110 00
Union Stock Yard, Chicago, (4,000 shares).....	400,000 00
Cincinnati, Wabash & Michigan Railway (\$408,463 89).....	437,000 00
Pittsburgh & Lake Erie Railroad.....	200,000 00
Capital advanced to Co-operative Despatch Lines.....	171,593 29
Merchants' Despatch Transportation Company.....	79,226 28
Empire Line Transportation Company (in liquidation).....	38,971 50

BONDS.

\$ 400,000—Lake Shore & Tuscarawas Valley—1st Mortgage.....	7s....	\$400,000 00	
432,000—Mahoning Coal Railroad—1st Mortgage.....	7s....	387,538 39	
137,000—Grand Rapids, N. & L. S. Railroad—1st Mortgage.....	8s....	130,980 00	
6,500—Grand Rapids, N. & L. S. Railroad, Second Division—1st Mortgage.....	7s....	5,200 00	
58,000—White Pigeon & Kalamazoo R. R.—1st Mortgage.....	7s....	52,200 00	
24,000—Holiday Coal Company.....	8s....	24,000 00	
144,000—Cleveland, Tuscarawas Valley & Wheeling, (and \$5,850 stock).....	7s....	144,000 00	
			1,143,918 39
Pacific Hotel Company, Chicago—bonds and stock.....		415,712 50	
Cash.....		3,410,797 79	
Uncollected earnings (collected since January 1st).....		744,290 88	
General Office property and other real estate.....		223,595 97	
Supplies, rails, fuel, etc.....		973,785 52	

\$94,719,287 23

LAKE SHORE AND MICHIGAN SOUTHERN RAILWAY CO.

LIABILITIES.

Capital Stock (\$533,500 ten per cent. guaranteed).....	\$50,000,000 00
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Funded Debt, (detailed table elsewhere)—

Lake Shore & Michigan Southern Railway, 364.87 miles.....	35,665,000 00
Detroit, Monroe & Toledo Railroad..... 62.38 miles.....	924,000 00
White Pigeon & Kalamazoo Railroad..... 36.57 miles.....	600,000 00

Floating Debt—(None.)

December liabilities paid in January.....	\$822,728 53
Dividend paid February 1, 1881.....	2,005,335 00
	<u>\$2,828,063 53</u>

Income or Profit and Loss Account.....	4,702,223 70
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\$94,719,287 23

LAKE SHORE & MICHIGAN SOUTHERN RAILWAY CO.

EARNINGS AND EXPENSES IN DETAIL, 1880.

EARNINGS.	Per Cent.	January.	February.	March.	April.	May.
From Freight	75.08	1,167,321.05	1,191,836.42	1,455,156.08	1,124,778.76	982,564.28
“ Passengers	20.06	248,441.99	220,581.11	288,910.21	275,786.08	296,595.13
“ Express	1.30	15,031.63	13,329.44	17,530.31	17,226.91	18,251.26
“ Mails	2.87	44,820.00	44,820.00	44,820.00	44,820.00	44,820.00
“ Rents	0.43	7,432.10	6,100.00	7,029.71	6,805.21	5,590.71
“ All other sources	0.26	2,614.32	3,027.05	5,042.05	4,820.29	3,755.81
	100.00	1,485,661.09	1,479,694.02	1,818,488.36	1,474,237.25	1,351,577.19
EXPENSES.						
Salaries, gen'l officers and clerks..	2.77	20,156.18	20,857.42	22,509.65	22,030.08	22,400.74
Law expenses .....	.52	1,345.26	1,158.76	3,749.92	3,178.69	5,976.60
Stationery and printing .....	.65	6,070.86	4,660.72	6,310.95	4,574.80	5,414.91
Outside agencies and advertising ..	2.30	18,306.59	16,538.90	16,979.17	17,656.24	18,885.03
Contingencies .....	.24	1,265.43	3,714.32	1,132.76	1,530.90	1,492.89
Rep's bridges, (incl'd'g culverts and cattle guards)	2.22	6,203.54	15,020.94	16,621.80	10,078.12	14,659.93
Repairs buildings and fixtures	2.01	9,006.11	2,890.29	12,558.41	17,758.03	19,729.68
Rep's fences, road cross'gs & signs..	.49	966.55	1,064.83	2,261.23	6,373.84	7,921.99
Rail renewals	3.07					
Tie renewals	1.80	14,030.44	31,609.24	35,709.22	22,644.15	7,047.34
Repairs roadway and track	9.09	49,438.92	41,737.47	49,433.73	93,490.54	108,022.29
Repairs locomotives	6.54	57,290.03	56,621.64	66,953.49	68,847.93	56,952.89
Fuel for locomotives	10.97	86,990.32	83,065.83	96,281.20	88,669.60	82,123.76
Water supply .....	.56	3,578.62	3,805.41	2,984.98	9,146.42	3,981.85
Oil and waste .....	.97	7,920.88	7,448.68	5,761.38	6,538.53	7,660.59
Locomotive service	8.40	62,657.53	59,064.10	72,942.59	66,278.70	60,776.78
Repairs passenger cars	2.13	19,228.47	21,353.86	23,203.93	11,261.91	15,873.80
Passenger train service	1.60	11,112.70	11,291.47	11,735.42	12,031.26	12,219.40
Passenger train supplies .....	.20	2,427.57	969.65	2,087.12		1,532.49
Repairs freight cars	6.46	68,124.20	56,849.82	67,293.19	56,446.16	57,156.91
Freight train service	5.15	38,865.04	38,561.35	48,196.58	42,254.87	36,853.77
Freight train supplies .....	.04	529.31	69.36	991.98	72.60	
Telegraph exp., (maint'g & operat'g) ..	2.34	19,015.23	19,639.71	24,401.18	17,758.16	18,740.30
Damage & loss to frght. & baggage ..	.20	2,000.00	1,139.04	1,455.32	1,377.33	1,657.54
Damage to property, incl. cattle ..	.07	217.50	369.39	209.80	203.24	163.17
Personal injuries .....	.86	2,271.55	22,875.00	1,617.00	2,815.00	3,180.00
Agents and station service	17.72	130,210.87	126,502.69	138,759.49	148,615.75	137,986.40
Station supplies .....	.70	5,818.04	4,922.00	10,574.40	5,389.42	2,526.36
Rents payable .....	.79	3,533.43	7,395.22	7,030.16	3,580.96	11,417.92
Hire of cars [debit balance]	4.64	33,164.03	36,483.71	42,231.20	35,357.32	29,722.08
Total Operating Expenses	95.50	686,745.20	697,680.82	791,977.25	775,960.55	751,577.41
Taxes	4.50	36,400.00	36,400.00	36,400.00	36,400.00	36,400.00
Total Operating Expenses & Taxes ..	100.00	723,145.20	734,080.82	828,377.25	812,360.55	787,977.41
New Freight Cars [1,500]		27,600.00	60,580.00	64,260.00	68,880.00	56,280.00
GRAND TOTAL		750,745.20	794,660.82	892,637.25	881,240.55	844,257.41
NET EARNINGS		734,915.89	685,033.20	925,851.11	592,996.70	507,319.78

LAKE SHORE & MICHIGAN SOUTHERN RAILWAY CO.

EARNINGS AND EXPENSES IN DETAIL, 1880.

June.	July.	August.	September.	October.	November.	December.	TOTAL.
1,075,412.97	1,088,625.97	1,139,924.21	1,185,553.92	1,219,596.71	1,175,207.80	1,271,316.15	14,077,294.32
314,105.27	345,918.08	402,270.24	403,637.84	363,391.90	313,852.04	287,518.17	3,761,008.06
18,316.53	19,625.95	20,088.21	24,992.20	26,047.37	27,814.43	24,797.93	243,052.17
44,820.00	44,820.00	44,820.00	44,820.00	44,820.00	44,820.00	44,821.10	537,841.10
7,476.27	6,763.10	6,169.49	6,163.08	6,668.76	5,712.11	8,739.34	80,649.88
3,204.00	4,106.40	7,492.45	3,811.46	4,302.22	4,632.20	2,807.13	49,615.38
1,463,335.04	1,509,859.50	1,620,764.60	1,668,978.50	1,664,826.96	1,572,038.58	1,639,999.82	18,749,460.91
23,746.45	23,014.84	22,400.85	22,540.21	23,120.69	23,375.89	23,176.72	269,329.72
13,143.27	3,882.23	2,718.14	3,297.20	2,419.29	3,847.81	5,885.84	50,603.01
5,501.97	4,426.96	4,329.81	3,771.80	4,295.15	5,782.07	8,331.28	63,471.28
18,039.06	20,490.69	21,187.84	18,636.68	15,416.95	20,436.45	21,113.32	223,186.92
3,592.98	902.53	2,215.91	1,020.90	1,020.69	3,319.91	2,147.32	23,356.54
24,059.57	23,336.59	26,217.37	35,849.52	13,503.83	22,058.78	8,332.01	215,942.00
17,789.41	18,285.70	21,796.26	16,272.37	19,823.07	23,946.15	14,997.62	194,853.10
6,357.21	4,374.76	4,420.89	5,102.17	5,043.91	2,075.36	1,641.44	47,604.18
-----	50,000.00	50,000.00	50,000.00	50,000.00	45,000.00	53,308.56	298,308.56
20,128.89	9,934.50	8,697.07	5,030.22	7,075.63	8,057.01	4,815.13	174,778.84
104,095.46	85,870.54	76,732.71	82,621.61	69,946.81	73,698.35	48,496.38	883,584.81
45,581.90	43,894.37	42,601.96	48,917.24	54,699.94	50,875.64	41,787.95	635,024.98
85,902.24	90,227.28	90,584.64	88,043.44	93,474.40	97,765.40	82,957.56	1,066,085.67
5,942.63	3,097.78	3,538.60	4,506.61	4,683.39	3,728.83	5,141.53	54,136.65
6,382.03	8,090.99	5,958.91	8,067.63	9,258.76	9,150.15	11,437.81	93,676.34
62,972.22	66,881.55	67,886.08	66,034.49	70,852.25	75,029.29	85,004.33	816,379.91
22,528.55	13,908.52	19,879.38	13,674.59	15,428.88	16,966.61	13,334.52	206,643.02
12,731.25	13,508.98	14,398.07	14,583.78	13,983.94	13,545.36	14,238.11	155,379.74
802.89	726.16	1,194.66	1,663.28	1,296.91	3,741.42	2,685.42	19,127.57
45,301.80	43,591.57	50,299.19	49,276.80	50,263.02	38,433.76	44,151.49	627,187.91
39,203.79	40,002.27	39,942.89	37,708.89	41,263.08	44,609.85	53,107.57	500,569.95
209.14	237.75	373.25	323.33	668.09	331.18	425.11	4,231.10
18,178.77	18,289.29	18,382.47	18,684.07	18,218.15	17,618.01	18,515.38	227,440.72
728.29	1,275.61	3,202.69	503.26	1,383.52	947.71	4,170.43	19,840.74
346.24	419.70	636.65	231.50	44.00	2,605.04	1,692.29	7,138.52
411.75	32,852.50	11,741.50	3,706.00	993.25	1,049.00	390.00	83,902.55
136,584.39	136,953.70	145,747.06	151,104.64	152,177.98	156,950.69	160,926.74	1,722,520.40
2,454.64	2,865.74	2,955.42	4,048.74	6,220.85	10,398.06	10,762.27	68,935.94
1,909.18	9,431.45	5,214.90	7,473.95	4,769.96	10,649.17	3,849.15	76,255.45
36,816.69	38,334.21	44,317.96	38,146.58	33,588.66	35,451.70	42,355.71	450,969.85
761,442.66	809,108.76	809,573.13	800,841.50	784,935.05	821,444.65	789,178.99	9,280,465.97
36,400.00	36,400.00	36,400.00	36,400.00	36,400.00	36,400.00	37,238.76	437,638.76
797,842.66	845,508.76	845,973.13	837,241.50	821,335.05	857,844.65	826,417.75	9,718,104.73
58,000.00	51,000.00	50,000.00	60,000.00	75,000.00	60,000.00	68,400.00	700,000.00
855,842.66	896,508.76	895,973.13	897,241.50	896,335.05	917,844.65	894,817.75	10,418,104.73
607,492.38	613,350.74	724,791.47	771,737.00	768,491.91	654,193.93	745,182.07	8,331,356.18

DETAILED STATEMENT

OF THE

Funded Debt of the Lake Shore and Michigan Southern Railway Co.

AFTER DEDUCTING \$2,500,000 BONDS IN THE SINKING FUND.

DECEMBER, 31, 1880.

Date of Issue.	Name and Character.	Miles included in Mortgage.	When Due.	Amount Outstanding.	Rate of Interest and When Payable.	Annual Interest.
July 1, 1870	Lake Shore & Mich. South.—Consolidated First Mortgage Sinking Fund	864	July 1, 1900	\$9,206,000	7 pr. ct. Reg'd Jan., Apl., July & Oct. Coupon Jan. & July	\$844,420
April 1, 1869	Lake Shore Railway—Dividend Bonds	258	April 1, 1869	1,356,000	7 April and October	94,920
Oct. 1, 1867	Cleveland, Painesville & Ashtabula—Third Mortgage	95	Oct. 1, 1892	920,000	7 April and October	64,400
May 1, 1855	Michigan Southern & Northern Indiana—First Mortgage	451	May 1, 1885	5,240,000	7 May and November	366,800
July 1, 1855	Cleveland & Toledo—First Mortgage	162	July 1, 1885	1,595,000	7 January and July	111,650
April 1, 1866	Cleveland & Toledo—Second Mortgage	162	April 1, 1886	849,000	7 April and October	59,430
July 1, 1862	Buffalo & State Line—Mortgage	88	July 1, 1882	200,000	7 January and July	14,000
Sept. 1, 1866	Buffalo & State Line—Mortgage	88	Sept. 1, 1886	300,000	7 March and September	21,000
April 1, 1868	Buffalo & Erie—Mortgage	88	April 1, 1898	2,834,000	7 April and October	198,380
	Total amount outstanding of the First General Mortgage of \$25,000,000.			22,500,000		\$1,575,000
Dec. 1, 1873	Lake Shore & Michigan South.—Consolidated Second General Mortgage	864	Dec. 1, 1903	10,625,000	7 June and December	743,960
Oct. 1, 1872	Lake Shore & Michigan Southern—Bonds of 1882.		Oct. 1, 1882	2,537,000	7 April and October	177,590
	Total amount outstanding of the Sec'd General Mortgage of \$25,000,000.			\$13,165,000		
	TOTAL FUNDED DEBT—LAKE SHORE & MICHIGAN SOUTHERN RAILWAY COMPANY PROPER.			\$35,665,000	All 7 per cent.	\$2,496,550

DEBT OF PROPRIETARY ROADS [OWNED WHOLLY BY LAKE SHORE & MICHIGAN SOUTHERN RAILWAY CO.]

Date of Issue.	Name and Character.	Miles Included in Mortgage.	When Due.	Amount Outstanding.	Rate of Interest and When Payable.	Annual Interest.
Aug. 1, 1876	Detroit, Monroe & Toledo—First Mortgage [guaranteed by L. S. & M. S.].	62	Aug. 1, 1906	\$ 924,000	7 pr. ct. February and August.	\$ 64,680
Sept. 1, 1869	Kalamazoo & White Pigeon—First Mortgage.....	37	Jan. 1, 1890	400,000	7 January and July	28,000
Oct. 1, 1867	Schoolcraft & Three Rivers—First Mortgage.....	12	July 1, 1887	100,000	8 January and July	8,000
Oct. 1, 1867	Kalamazoo & Schoolcraft—First Mortgage.....	13	July 1, 1887	100,000	8 January and July	8,000
				\$1,524,000		\$108,680

DEBT OF LEASED ROADS, [INTEREST PAID BY LAKE SHORE & MICHIGAN SOUTHERN RAILWAY CO. ON ACCOUNT OF RENTAL.]

Date of Issue.	Name and Character.	Miles Included in Mortgage.	When Due.	Amount Outstanding.	Rate of Interest and When Payable.	Annual Interest.
June 1, 1868	Kalamazoo, Allegan & Grand Rapids—First Mortgage	58	July 1, 1888	\$ 840,000	8 pr. ct. January and July	\$ 67,200
July 1, 1863	Jamestown & Franklin—First Mortgage	51	Differ't dates	383,000	7 January and July	26,810
June 1, 1869	Jamestown & Franklin—Second Mortgage.....	51	June 1, 1894	500,000	7 December and June..	35,000
				\$1,723,000		\$129,010

Debt of Mahoning Coal Railroad [Leased by L. S. & M. S. Ry. for 40 per cent. of Earnings.]
Jan. 1, 1872 First Mortgage [\$1,500,000]. Due Jan. 1, 1902. Amount outstanding, \$1,486,000. 7 per cent. Jan. and July.

MILEAGE STATISTICS—ELEVEN YEARS.

YEAR.	MILES ROAD OPERATED	EARNINGS PER MILE.	EXPENSES PER MILE.	NET EARNINGS PER MILE.	FREIGHT TRAIN MILEAGE.	FREIGHT TRAIN EARNINGS PER MILE.	FREIGHT TRAIN EXPENSES PER MILE.	FREIGHT TRAIN PROFIT PER MILE.	PASSENGER TRAIN MILEAGE.	PASSENGER TRAIN EARNINGS PER MILE.	PASSENGER TRAIN EXPENSES PER MILE.	PASSENGER TRAIN PROFIT PER MILE.
1870	1,013.0	\$13,336	\$ 8,261	\$5,075	4,306,110	\$2.03.11	\$1.25.82	\$0.77.29	2,320,477	\$1.97.28	\$1.22.21	\$0.75.07
1871	1,073.8	13,872	9,106	4,766	5,059,898	1.82.71	1.19.93	0.62.78	2,367,514	1.88.07	1.22.13	0.63.94
1872	1,136.5	16,882	11,177	5,505	7,121,795	1.80.08	1.20.47	0.59.61	2,640,344	1.78.69	1.19.54	0.59.15
1873	1,154.0	16,824	11,928	4,896	8,026,320	1.76.82	1.25.36	0.51.46	2,952,823	1.72.43	1.22.25	0.50.18
1874	1,177.6	14,592	9,491	5,101	6,490,510	1.83.62	1.19.42	0.64.20	2,520,574	2.02.21	1.31.51	0.70.70
1875	1,177.6	12,284	8,963	3,321	5,798,617	1.66.23	1.21.28	0.44.95	2,743,617	1.70.12	1.24.11	0.46.01
1876	1,177.6	11,851	8,135	3,716	6,324,738	1.48.71	1.02.06	0.46.65	2,610,545	1.69.64	1.16.44	0.53.20
1877	1,177.6	11,484	7,622	3,862	5,674,685	1.66.99	1.10.83	0.56.16	2,363,504	1.65.34	1.09.73	0.55.61
1878	1,177.6	11,877	7,210	4,667	6,470,848	1.55.21	1.01.50	0.53.71	2,296,194	1.71.19	0.85.00	0.86.19
1879	1,177.6	12,975	7,591	5,384	7,506,016	1.53.80	0.91.09	0.61.99	2,234,304	1.72.63	0.91.00	0.81.63
1880	1,177.6	15,922	8,846	7,076	7,481,489	1.88.16	1.07.67	0.80.49	2,540,081	1.78.18	0.92.29	0.85.89

CHIEF ENGINEER'S DEPARTMENT.

General Summary of Operations—1880.

REPAIRS AND RENEWALS.

[Included in Operating Expenses.]

New Steel Rail.....	7,590 tons.....	77.07 miles.
Re-rolled Iron Rail.....	396 tons.....	4.20 miles.
	7,986 tons	81.27 miles.
Repaired Iron Rail.....	1,827 tons.....	19.38 miles.
	9,813 tons.....	100.65 miles.
Cross-ties renewed, 533,470, equal to.....		190.52 miles.
Fence built [board].....		40.60 miles.
“ “ [wire].....		46.54 miles.
Track ballasted with Stone, Gravel and Cinders.....		155.61 miles.

FUEL CONSUMED.

Wood, 45,020 cords, average cost.....	\$2.68 per cord.
Coal, 420,720 tons, average cost.....	2.24 per ton.

CHIEF ENGINEER'S TABLE OF ROAD OPERATED

—BY THE—

Lake Shore & Michigan Southern Railway Company.

JANUARY 1, 1881.

Entire track carefully re-measured in 1879.

MAIN LINE.

	MILES.	
Buffalo to Erie.....	88.00	
Erie to Cleveland.....	95.50	
Cleveland to west end Toledo Bridge, via Norwalk.....	111.77	
West end Toledo Bridge to Toledo.....	1.10	
Toledo to Chicago, via Adrian.....	244.12	540.49

BRANCHES OF THE L. S. & M. S. RAILWAY.

Elyria Junction to Millbury Junction, via Sandusky.....	72.95	
Sandusky Pier, from Junction to Old Depot.....	3.72	
Air Line Junction to Elkhart.....	130.83	
Lenawee Junction to Jackson.....	41.98	
Lenawee Junction to Monroe.....	29.37	
Palmyra to Adrian.....	5.72	
Ashtabula to Ashtabula Harbor.....	2.33	
Ashtabula to Jamestown.....	35.98	
Junction with D. A. V. & Pitts. R. R. at Dunkirk.....	1.50	324.38

PROPRIETARY ROADS [OWNED WHOLLY BY THIS COMPANY.]

Detroit, Monroe & Toledo Railroad—		
Air Line Junction to Detroit.....	62.36	
Kalamazoo & White Pigeon Railroad—		
White Pigeon to Kalamazoo.....	36.57	
Northern Central Michigan Railroad—		
Jonesville to North Lansing.....	61.14	160.07

ROADS OPERATED UNDER LEASE.

Kalamazoo, Allegan & Grand Rapids Railroad, [rental \$103,800 per year]—		
Kalamazoo to Grand Rapids.....	58.42	
Jamestown & Franklin Railroad [40 per cent. of gross earnings]—		
Jamestown to Oil City.....	50.91	
Mahoning Coal Railroad, [40 per cent. of gross earnings]—		
Andover to Youngstown.....	38.31 miles.	
Tyrrell Hill to Vienna.....	2.68 miles.	
Coalburg to New York, O.....	0.99 miles.	
Vienna to Holiday Bank.....	1.42 miles.	
	43.40	152.73

LENGTH OF ROAD OPERATED.....1,177.67

SECOND TRACK.

Between Buffalo and Erie.....	88.00	
Between Erie and Cleveland.....	95.50	
Between Cleveland and west end Toledo Bridge.....	33.35	
West end Toledo Bridge to Toledo.....	1.10	
Toledo to Air Line Junction.....	2.59	
Between Elkhart and Chicago.....	15.25	235.79

SIDE TRACKS.

Buffalo Division.....	54.58	
Erie Division.....	69.33	
Toledo Division.....	110.70	
Franklin Division.....	29.08	
Youngstown Division.....	8.45	
Michigan Southern Division.....	208.06	480.20

TOTAL MILES OF SINGLE TRACK.....	{	Steel.....	1,125.11	
		Iron.....	768.55	1,893.66

LAKE SHORE & MICHIGAN SOUTHERN RAILWAY CO.

TABLE OF TRACKS.

JANUARY 1, 1881.

Showing the Length of same in each State through which the Line passes.

TRACKS.	STATE.						TOTAL.
	N. Y.	Penn.	Ohio.	Ind'na	Mich.	Illn's.	
Single Track—	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
Main Line.....	69.50	44.06	195.01	101.95	115.95	14.02	540.49
Branches.....	1.50	56.17	225.78	65.86	287.87	-----	637.18
LENGTH OF ROAD OPERATED.....	71.00	100.23	420.79	167.81	403.82	14.02	1,177.67
Second Track.....	69.50	44.06	106.98	8.00	-----	7.25	235.79
Sidings.....	42.27	44.79	231.22	62.73	67.71	31.48	480.20
TOTAL MILES OF SINGLE TRACK..	182.77	189.08	758.99	238.54	471.53	52.75	1,893.66

RECAPITULATION.

STATE.	MILES OPERATED.				MILES OF SINGLE TRACK.			
	Main Line.	Br'nches	Total.	Per Cent	Second Track.	Siding.	Total.	Per Cent
New York.....	69.50	1.50	71.00	6.03	69.50	42.27	182.77	9.65
Pennsylvania.....	44.06	56.17	100.23	8.51	44.06	44.79	189.08	9.98
Ohio.....	195.01	225.78	420.79	35.73	106.98	231.22	758.99	40.08
Indiana.....	101.95	65.86	167.81	14.25	8.00	62.73	238.54	12.60
Michigan.....	115.95	287.87	403.82	34.29	-----	67.71	471.53	24.90
Illinois.....	14.02	-----	14.02	1.19	7.25	31.48	52.75	2.79
TOTAL.....	540.49	637.18	1,177.67	100.	235.79	480.20	1,893.66	100.

RECAPITULATION OF GRAND DIVISIONS, [EAST AND WEST OF TOLEDO].

DIVISIONS.	Main Line.	Branches.	Second Track.	Sidings.	Total.
	Miles.	Miles.	Miles.	Miles.	Miles.
Lake Shore.....	295.27	210.79	216.85	272.14	995.05
Michigan Southern.....	245.22	426.39	18.94	208.06	898.61
TOTAL.....	540.49	637.18	235.79	480.20	1,893.66

EQUIPMENT.

Dec. 31, 1880.

LOCOMOTIVES.....	494
Wood Burners, 20; Coal Burners, 474.	
116 Passenger engines equipped with Westinghouse Air Brake.	
74 " " " " " " Driver Brake [additional.]	
155 Freight " " " Steam Driver Brake.	

PASSENGER EQUIPMENT.

First Class Passenger Cars.....	100
Second Class and Smoking Cars.....	34
Smoker and Baggage.....	12
Emigrant Cars.....	21
Railroad Postal Cars.....	23
Baggage Cars.....	47
Baggage and Mail.....	10
Paymasters' Cars.....	2
Total.....	249

All equipped with Westinghouse Air Brake.

FREIGHT EQUIPMENT.

Box Cars.....	7,714
Stock Cars.....	1,286
Oil Cars.....	292
Platform Cars.....	1,651
Coal Cars.....	2,011
Caboose Cars.....	251
Derrick Cars.....	9
Dumper Cars.....	148
Total.....	13,362
TOTAL CARS—all classes.....	13,611

LOCOMOTIVE DEPARTMENT.

	1880.	1879.	1878.	1877.	1876.
Miles run by locomotives.....	13,586,207	12,966,275	11,609,370	10,752,055	11,775,053
Cost of repairs locomotives.....	\$635,025	\$550,018	\$531,275	\$550,420	\$555,605
Cost of repairs locomotives per mile run....	Cts., 4.67	Cts., 4.24	Cts., 4.58	Cts., 5.12	Cts., 4.72
Cost of locomotive service.....	\$816,380	\$700,937	\$636,297	\$604,383	\$681,074
Cost of locomotive service per mile run....	Cts., 6.00	Cts., 5.40	Cts., 5.48	Cts., 5.64	Cts., 5.80
Cost of fuel consumed.....	\$1,066,086	\$870,733	\$967,197	\$923,814	\$1,089,192
Cost of fuel consumed per mile run.....	Cts., 7.85	Cts., 6.71	Cts., 8.33	Cts., 8.70	Cts., 9.25

RENEWALS AND REPAIRS.

1880. 1879. 1878. 1877. 1876.

New stationary boilers.....	----	2	1	1	----
New boilers, (complete).....	1	2	5	4	3
New fire boxes, (steel).....	18	13	14	20	14
New driving wheels.....	17	23	30	24	10
New driving axles.....	16	33	32	42	44
Steel tyres.....	206	188	152	132	48
Truck and tender wheels.....	2,399	2,366	1,772	1,896	2,615
Truck and tender axles.....	287	231	285	312	241
Crown sheets, (steel).....	19	12	11	8	5
Flue sheets, (steel).....	27	33	17	18	17
Iron flues..... sets	27	16	16	26	14
Cylinders.....	10	16	29	12	10
Engine pilots.....	66	83	62	64	56
Engine cabs.....	18	12	18	19	9
Engine tanks.....	10	14	9	10	11
Engines rebuilt, (complete).....	7	13	12	11	11

Number of locomotives on road December 31st..... 494 495 495 495 495

Coal burners, 474; wood burners, 20.

Passenger locomotives equipped with Westinghouse air-brake, 116.

“ “ “ “ Westinghouse driver-brake (additional), 74.

Freight locomotives equipped with steam driver brake, 155.

PERFORMANCE OF LOCOMOTIVES.

	1880.	1879.	1878.	1877.
NUMBER OF LOCOMOTIVES.....	494	495	495	495
NUMBER OF MILES RUN—				
Passenger service.....	2,549,081	2,234,804	2,296,194	2,363,504
Freight “.....	7,481,489	7,506,016	6,470,848	5,674,685
Working “.....	317,966	310,077	300,082	342,673
Switching “.....	3,237,671	2,915,878	2,542,246	2,371,193
TOTAL.....	13,586,207	12,966,275	11,609,370	10,752,055
Average number miles run per locomotive....	27,502	26,195	23,453	21,721
COST PER MILE RUN FOR REPAIRS—				
Passenger service.....Cents	5.08	4.58	4.45	5.87
Freight “.....	5.35	4.59	4.62	4.86
Working “.....	3.67	4.09	3.54	4.28
Switching “.....	2.87	3.07	2.86	3.82
Average.....	4.67	4.24	4.58	4.83
COST PER MILE RUN FOR FUEL, [including kindlings]—				
Passenger service.....Cents	7.45	6.09	7.95	8.57
Freight “.....	9.83	8.30	10.37	9.37
Working “.....	5.36	5.01	6.07	6.17
Switching “.....	3.80	3.30	4.14	4.49
Average.....	7.85	6.71	8.33	8.70
COST PER MILE RUN FOR LUBRICATING OILS & TALLOW—				
Passenger service.....	.26	.24	.24	.29
Freight “.....	.24	.23	.22	.26
Working “.....	.21	.20	.22	.25
Switching “.....	.16	.16	.16	.19
Average.....	.22	.21	.21	.25
GENERAL SERVICE—COST PER MILE RUN—				
Small Stores—[illuminating oils, waste, etc.]—Cents	0.09	0.08	0.09	0.11
Enginemen and firemen.....	5.76	5.40	5.48	5.64
Cleaners and watchmen.....	0.24	0.30	0.36	0.44
TOTAL COST PER MILE RUN—				
Passenger service.....Cents	18.93	16.57	18.42	20.85
Freight “.....	21.61	19.05	20.98	21.74
Working “.....	14.90	14.74	15.97	17.63
Switching “.....	12.79	12.01	13.28	14.76
Average.....	18.85	16.93	18.66	19.88
MILES RUN PER TON OF COAL, [2,000 lbs.] kindlings included—				
Passenger service.....	35.38	36.74	38.84	37.12
Freight “.....	26.30	26.61	29.50	30.18
Working “.....	57.03	53.24	59.67	61.79
Switching “.....	74.39	73.34	81.02	84.10
Average.....	32.79	32.56	35.91	36.49
MILES RUN PER CORD OF WOOD [wood burners only]—				
Passenger service.....	52.93	58.41	60.42	56.18
Freight “.....	29.91	31.21	32.67	37.45
Working “.....	62.81	65.42	69.39	64.70
Switching “.....	74.51	76.21	78.57	74.13
Average.....	57.75	58.78	61.04	58.91
MILES RUN PER PINT OF OIL [lubricants]—				
Passenger service.....	18.79	19.84	19.92	19.25
Freight “.....	21.52	22.54	22.60	21.26
Working “.....	23.01	24.04	22.00	21.42
Switching “.....	32.51	31.97	31.63	28.75
Average.....	22.77	23.59	23.42	22.03
PINTS OF ENGINE OIL USED.....	323,648	313,083	267,085	266,044
“ “ VALVE “ “.....	272,900	234,087	104,930	12,287
POUNDS OF TALLOW “ “.....	.....	2,419	123,534	209,727
TOTAL.....	596,548	549,589	495,549	488,058
AVERAGE COST OF LUBRICANTS PER PINT.....Cents	5.18	5.07	5.10	5.69

RENEWALS AND REPAIRS—1880.

CAR DEPARTMENT.

	1880.	1879.	1878.	1877.	1876.
Average number of cars in service.....	12,356	11,202	10,546	10,546	10,537
Repairs of cars—all classes.....	\$833,831	\$654,509	\$675,369	\$751,476	\$848,230
New cars built to replace cars worn out or destroyed, [included in operating expenses].....	107	165	212	242	291
New wheels used in repairs of cars.....	10,902	10,456	9,209	14,395	14,909
New axles used in repairs of cars.....	2,258	1,808	1,817	2,765	2,736
Coaches painted.....	25	19	18	21	32
Second-class cars painted.....	1	--	8	3	10
Baggage and mail cars painted.....	29	18	21	17	23
Coaches newly upholstered.....	3	3	4	3	10
New six-wheel trucks put under coaches, pairs.....	--	--	--	1	--
New four-wheel trucks put under coaches, pairs.....	--	5	2	2	6
New four-wheel trucks put under baggage cars, pairs,.....	6	--	--	5	1
New roofs put on box cars.....	390	497	911	499	--

Of the 10,902 new wheels put under cars in 1880, 792 were put under foreign cars—467 wheels replaced by makers are not included.

Of the amount expended for repairs of cars in 1880, 79 per cent. was expended on the freight equipment and 21 per cent. upon the passenger equipment,

GENERAL SUMMARY OF FREIGHT BUSINESS,

FOR THE YEAR ENDING DECEMBER 31, 1880.

TONNAGE, EARNINGS, &c., Compared with Last Year.

1880.				1879.		
TONS.	EARNINGS.	TONS CARRIED ONE MILE.	RATE PERTON PER MILE. Cent.	TONS.	EARNINGS.	TONS CARRIED ONE MILE.
East-bound Freight	5,077,371	\$ 8,813,335.31	1,179,292,211	4,943,252	\$ 7,144,041.88	1,197,135,107
West-bound Freight	3,272,965	5,077,227.35	671,873,807	2,593,042	3,976,184.12	536,298,333
TOTALS	8,350,336	\$ 13,890,562.66	1,851,166,018	7,541,294	\$ 11,120,226.00	1,733,423,440
Switching, Storage, Elevating, &c.		157,088.55			140,244.73	
E. & P. R. freight, between Girard & Erie		23,043.11			27,789.89	
TOTAL REVENUE		\$ 14,077,294.32			\$ 11,288,260.62	

BUSINESS OF THIS YEAR, Compared with Last Year.

		TONS CARRIED ONE MILE.
Increase of Tonnage—East-bound	134,119 tons—equal to 2.7 per cent.	Decrease of Freight Movement—East-bound—17,842,896—equal to 1.5 per cent.
Increase of Tonnage—West-bound	674,923 tons—equal to 26.0 per cent.	Increase of Freight Movement—West-bound—135,585,474—equal to 25.3 per cent.
Increase of Tonnage—Total	809,042 tons—equal to 10.7 per cent.	Increase of Freight Movement—Total.....117,742,578—equal to 6.8 per cent.
Increase of Earnings—East-bound		\$ 1,699,293.43—equal to 23.4 per cent.
Increase of Earnings—West-bound		1,101,043.29—equal to 27.7 per cent.
Increase of Earnings—Total Freight Movement		\$ 2,770,336.66—equal to 24.9 per cent.
Increase of Earnings for Switching, Storage, &c., and E. & P. R. freight		18,697.04—equal to 11.1 per cent.
Increase of Total Revenue		\$ 2,789,033.70—equal to 24.7 per cent.

Proportion of Freight Movements this year—East-bound, 60.8 per cent.; West-bound, 39.2 per cent.
 Average haul for each ton carried—East-bound, 222.3 miles; West-bound, 205.3; all Freight, 221.7 miles.
 Increase in the average rate—on East-bound, .150 cent. [25.1 per cent.]; on West-bound, .015 cent. [2 per cent.]; on all Freight, .108 cent. [16.8 per cent.]
 Increase of Earnings this year from increased tonnage carried is \$774,000; the remainder of the increase is due to the difference in rate.

COMPARATIVE STATEMENT,

SHOWING

TONNAGE AND PERCENTAGE OF ARTICLES CARRIED IN 1880,
COMPARED WITH 1879.

ARTICLES.	1880.		1879.		Increase and Decrease this year.
	Per Ct.	Tons.	Per Ct.	Tons.	
Coal.....	14.84	1,239,098	13.96	1,052,571	PER CENT. Increase 17.7
Stone and Lime.....	2.43	203,060	1.92	144,460	Increase 40.6
Petroleum.....	3.93	327,953	6.24	470,449	Decrease 30.3
Pig, bloom and railroad iron.....	4.42	369,316	2.63	198,073	Increase 86.5
Other iron and castings.....	3.20	267,331	2.45	184,493	Increase 44.9
Lumber and other forest products.....	9.60	801,658	8.40	633,721	Increase 26.5
Animals.....	7.64	637,795	8.18	616,812	Increase 3.4
Grain.....	20.69	1,727,645	24.41	1,841,120	Decrease 6.2
Agricultural products, except grain.....	3.69	308,039	3.68	277,895	Increase 10.8
Flour.....	4.40	367,718	4.45	335,868	Increase 9.5
Provisions.....	3.77	314,468	3.80	286,983	Increase 9.6
Manufactures.....	3.77	314,587	3.97	299,357	Increase 5.1
Merchandise and other articles.....	17.62	1,471,668	15.91	1,199,492	Increase 22.7
TOTALS.....	100.	8,350,336	100.	7,541,294	Increase 10.7

FREIGHT NOT EARNING REVENUE--(Being for use of the Company.)

	1880.	1879.	1878.
Tons moved in freight trains one mile.....	37,100,500	46,079,300	38,193,400
Cost per ton per mile.....Cent	0.435	0.398	0.474
Amount of cost of this transportation.....	\$161,387	\$183,396	\$181,037

TONNAGE FOR ELEVEN YEARS—1870-1880.

Year.	Coal.	Stone and Lime.	Petroleum.	Pig, Bloom & R. R. Iron.	Other Iron and Castings.	Lumber and other Forest Products.	Animals.	Grain.	Agricultural Products except Grain.	Flour.	Provisions.	Manufactures.	Merchandise and other Articles.	Total.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1870	215,997	95,521	260,959	76,012	66,778	334,581	276,531	451,431	149,031	252,163	132,645	199,547	467,529	2,978,725
1871	241,994	118,586	380,203	66,465	92,530	363,068	319,721	753,197	219,040	256,146	204,934	208,465	560,176	3,784,525
1872	331,819	142,296	368,113	91,475	90,803	458,859	421,644	931,992	167,496	231,460	233,915	194,797	778,423	4,443,092
1873	518,643	164,949	635,040	68,121	99,413	530,683	480,623	816,267	232,687	272,677	279,044	182,091	896,425	5,176,661
1874	662,329	171,102	488,865	62,253	104,594	572,869	438,409	957,721	185,787	299,763	237,067	167,142	873,366	5,221,267
1875	694,658	150,613	530,796	83,440	119,314	511,651	410,851	870,335	181,183	264,585	258,544	190,894	755,626	5,022,490
1876	827,252	141,928	589,022	82,720	100,949	469,097	486,734	1,055,589	205,445	308,007	270,274	198,804	899,346	5,635,167
1877	754,859	128,025	755,952	72,946	118,599	490,022	410,165	1,030,211	172,466	260,381	210,260	192,110	917,402	5,513,398
1878	717,423	111,373	569,964	110,805	116,718	468,475	544,009	1,384,868	229,032	314,969	345,738	261,727	923,344	6,098,445
1879	1,052,571	144,460	470,449	198,073	184,493	633,721	616,812	1,841,120	277,895	335,868	286,983	299,357	1,199,492	7,541,294
1880	1,239,098	203,060	327,953	369,316	267,331	801,658	637,795	1,727,645	308,039	367,718	314,468	314,587	1,471,668	8,350,336

STATISTICS OF FREIGHT BUSINESS—ELEVEN YEARS.—1870 TO 1880, INCLUSIVE.

Year.	East-Bound.				West-Bound.				Total, East and West.				Miscellaneous Earnings. for Storage, E. & P. Freight, Etc.	TOTAL EARNINGS, including Miscel- laneous.	Percent- age of Freight Move- ments.		Average Haul for Each Ton Carried.
	Tons.	Earnings.	Tons carried one mile.	Rate per ton per mile.	Tons.	Earnings.	Tons carried one mile.	Rate per ton per mile.	Tons.	Earnings.	Tons carried one mile.	Rate per ton per mile.			Eastward.	Westward.	
				Cts.				Cts.				Cts.					Miles.
1870	2,036,753	\$5,586,697	412,067,965	1.356	941,972	\$3,047,775	161,967,606	1.882	2,978,725	\$ 8,634,472	574,035,571	1.504	\$111,654	\$ 8,746,126	71.8	28.2	192.7
1871	2,564,708	7,143,075	526,397,486	1.357	1,219,817	3,062,784	207,273,210	1.478	3,784,525	10,205,859	733,670,696	1.391	135,359	10,341,218	71.7	28.3	193.9
1872	2,997,556	8,488,927	667,369,119	1.272	1,445,536	4,217,956	257,475,021	1.638	4,443,092	12,706,883	924,844,140	1.374	117,979	12,824,862	72.2	27.8	208.2
1873	3,447,790	9,994,546	770,423,785	1.297	1,728,871	4,074,856	283,503,404	1.437	5,176,661	14,069,402	1,053,927,189	1.335	122,997	14,192,399	73.1	26.9	203.6
1874	3,715,071	8,273,159	753,633,140	1.098	1,506,196	3,518,453	245,708,941	1.432	5,221,267	11,791,612	999,312,081	1.180	126,738	11,918,350	75.4	24.6	191.4
1875	3,381,876	6,466,969	677,979,702	0.954	1,640,614	3,063,069	265,256,459	1.155	5,022,490	9,530,038	943,236,161	1.010	109,000	9,639,038	71.9	28.1	187.8
1876	3,867,081	6,421,447	827,020,640	0.776	1,768,136	2,841,276	306,814,188	0.926	5,635,167	9,262,723	1,133,884,828	0.817	142,906	9,405,629	72.9	27.1	201.2
1877	3,718,449	6,175,884	747,274,720	0.826	1,794,949	3,152,365	332,730,841	0.947	5,513,398	9,328,249	1,080,005,561	0.864	148,359	9,476,608	69.2	30.8	195.9
1878	4,228,390	6,683,696	995,021,834	0.672	1,870,055	3,152,463	345,445,992	0.913	6,098,445	9,836,159	1,340,467,826	0.734	212,793	10,048,952	74.2	25.8	219.8
1879	4,943,252	7,144,042	1,197,135,107	0.597	2,598,042	3,976,184	536,288,333	0.741	7,541,294	11,120,226	1,733,423,440	0.642	168,035	11,288,261	69.1	30.9	229.9
1880	5,077,371	8,313,335	1,179,292,211	0.747	3,272,965	5,077,228	671,873,807	0.756	8,350,336	13,890,563	1,851,166,018	0.750	186,731	14,077,294	60.8	39.2	221.7

FREIGHT FORWARDED AND RECEIVED AT EACH STATION,

FOR THE YEAR ENDING DECEMBER 31st, 1880.

STATIONS.	FREIGHT FORWARDED.		FREIGHT RECEIVED.	
	Tons.	Revenue.	Tons.	Revenue.
EAST BUFFALO.....	772,351	\$ 1,423,114	2,539,019	\$ 5,418,304
BUFFALO.....	387,005	664,348	606,759	956,319
Total E. Buffalo and Buffalo.....	1,159,356	\$ 2,087,462	3,145,778	\$ 6,374,623
Hamburg.....	66	92	339	520
Lake View.....	290	368	991	1,196
Derby.....	99	148	172	250
Angola.....	1,669	1,933	1,980	3,075
Farnham.....	2,961	4,143	2,036	2,269
Irving.....	1,634	1,346	348	683
Silver Creek.....	1,923	4,877	4,686	6,420
Dunkirk.....	154,145	62,026	58,046	84,118
Brocton.....	29,335	19,487	11,552	12,211
Westfield.....	2,691	5,529	4,534	8,113
Ripley.....	2,084	3,334	960	1,840
State Line.....	666	1,017	567	1,089
Marvins.....	115	133		
North East.....	5,621	10,503	7,628	12,349
Moorhead.....	998	1,019	485	856
Harbor Creek.....	368	703	195	269
ERIE.....	262,338	392,897	583,187	840,722
Swanville.....	22	31	317	288
Fairview.....	2,144	2,504	4,608	6,191
Girard.....	9,833	15,529	5,680	9,215
Springfield.....	852	1,397	548	1,214
Conneaut.....	5,557	10,080	7,129	10,675
Kingsville.....	4,701	5,896	875	1,818
Ashtabula.....	11,346	16,404	116,972	51,085
Saybrook.....	321	459	108	286
Geneva.....	3,636	9,123	9,447	13,983
Unionville.....	1,497	2,840	815	1,247
Madison.....	2,671	4,559	2,471	4,188
Perry.....	2,527	4,308	638	1,059
Painesville.....	8,023	16,366	14,238	20,870
Mentor.....	2,059	2,844	1,213	1,738
Willoughby.....	2,012	3,653	3,432	4,606
Wickliffe.....	2,666	1,713	119	167
Nottingham.....	6,391	3,941	959	953
Collinwood.....	2,031	2,170	24,061	8,675
Glenville.....	539	1,596	1,887	2,280
CLEVELAND.....	1,812,814	2,598,618	850,699	1,117,071
Oil City.....	47,099	68,291	33,857	31,562
Reno.....	3,120	3,420	1,879	1,152
Run.....	165	125	125	75
Franklin.....	27,546	46,314	41,097	35,364
Polk.....	284	350	254	692
Raymilton.....	27,781	26,492	384	774
Sandy Lake.....	786	1,397	1,607	3,844
Stoneboro.....	146,064	92,104	14,960	15,611
Clark.....	3,159	2,885	155	375
Hadley.....	2,770	3,075	686	1,181
Salem.....	519	510	49	47
Amasa.....	1,911	476		
Jamestown.....	4,513	4,902	4,025	4,929
Simon.....	214	289	43	34
Andover.....	1,856	3,025	2,128	3,999

FREIGHT FORWARDED AND RECEIVED—Continued.

STATIONS.	FREIGHT FORWARDED.		FREIGHT RECEIVED.	
	Tons.	Revenue.	Tons.	Revenue.
Leon	1,085	\$ 1,747	200	\$ 578
Dorset	1,212	1,321	186	380
Jefferson	1,827	3,387	2,955	5,613
Plymouth	371	557	16	7
Ashtabula Harbor	89,415	79,176	42,055	31,511
Youngstown	179,167	243,108	235,062	205,595
No. 3 Bank	57,110	14,277		
Coalburg	68,220	78,248	26,799	13,557
Brookfield	115	65	10	20
Tyrrell Hill	11,285	14,047	636	1,263
Fowler	409	562	152	254
Kinsman	4,185	6,992	1,844	3,153
Williamsfield	4,174	5,418	850	1,637
Rockport			184	253
Berea	26,550	36,327	4,810	8,306
Olmsted Falls	160	406	1,121	1,005
Shawville	691	1,414	775	892
Elyria	107,925	93,918	22,403	28,844
Oberlin	1,741	4,135	7,920	9,875
Kipton	1,396	1,993	986	1,531
Wakeman	7,532	10,271	2,069	3,489
Collins	2,637	4,237	550	1,086
Norwalk	15,965	28,950	22,290	28,511
Monroeville	146,960	100,673	15,373	20,463
Bellevue	22,203	39,121	13,662	15,971
Clyde	32,864	41,040	31,019	36,950
Fremont	264,513	314,923	62,674	75,990
Lindsey	3,449	5,253	564	1,000
Elmore	7,919	10,964	1,866	3,219
Genoa	13,351	17,215	2,836	2,817
Millbury	5,320	4,847	397	648
North Amherst	51,130	58,471	8,029	5,526
Brownhelm	10,891	12,932	727	830
Vermillion	4,814	5,526	2,571	2,723
Ceylon	10,824	20,210	735	1,328
Huron	7,216	9,714	3,512	3,529
Sandusky	137,531	207,575	62,147	70,136
Venice	2,955	4,674	668	583
Danbury	616	707	236	328
Gypsum	1,703	2,534	700	1,038
Port Clinton	3,681	5,400	3,810	4,615
La Carne	1,422	1,560	161	219
Oak Harbor	4,761	5,697	1,766	3,065
Rocky Ridge	12,805	15,433	1,218	1,691
Graytown	8,428	8,047	954	1,265
Martin	9,463	9,386	1,004	940
Clay Centre	260	78	30	9
DETROIT	104,968	143,193	279,149	256,445
GRAND TRUNK JUNCTION	132,640	90,649	140,693	130,887
Ecorces	1,119	703	103	85
Wyandotte	14,013	14,171	22,335	10,573
Trenton	23,858	12,001	2,315	2,805
Rockwood	3,822	4,481	1,136	1,230
Newport	1,349	1,599	305	477
Stony Creek	35	28	24	14
Warner	60	24		
Monroe	122,302	84,300	76,617	58,517
La Salle	169	180		

FREIGHT FORWARDED AND RECEIVED—Continued.

STATIONS.	FREIGHT FORWARDED.		FREIGHT RECEIVED.	
	Tons.	Revenue.	Tons.	Revenue.
Vienna	62	\$ 106	93	\$ 200
West Toledo	351	661	2,066	3,151
Wagon Works	2,542	5,217	5,247	6,528
Strasburg	451	197	-----	-----
Ida	1,669	3,077	576	801
Petersburg	1,504	1,910	482	978
Deerfield	4,189	5,238	546	1,178
Corbus	3,798	3,769	638	845
Wellsville	114	144	10	15
Tecumseh	13,876	21,898	9,723	16,992
Clinton	5,128	10,498	3,825	6,399
Manchester	4,169	9,462	3,572	6,307
Norvell	426	806	348	596
Napoleon	1,659	3,196	869	1,399
Jackson	38,885	46,473	35,056	55,042
TOLEDO	885,162	1,252,711	770,028	766,732
Holland	588	472	91	140
Swanton	3,072	3,973	1,256	2,171
Delta	4,702	7,618	1,735	3,136
Harrison	20	10	60	39
Wauseon	7,904	16,139	5,194	9,646
Pettisville	1,028	2,214	486	801
Archbald	4,382	8,275	1,340	2,865
Stryker	8,530	15,363	2,042	4,914
Bryan	13,240	28,519	7,779	17,323
Melbern	1,511	3,054	327	669
Edgerton	6,245	11,686	1,843	4,488
Butler	50,838	81,556	15,858	23,192
Waterloo	28,658	55,240	7,663	15,693
Corunna	5,340	7,980	537	1,354
Kendallville	18,904	39,210	5,238	12,461
Brimfield	2,359	4,150	392	914
Wawaka	2,583	4,561	304	726
Ligonier	15,732	42,262	5,276	13,295
Millersburgh	1,351	2,208	213	769
Goshen	70,188	138,243	24,404	47,561
Sylvania	312	409	270	412
Ottawa Lake	3,064	2,585	277	440
Wood	517	698	-----	-----
Riga	2,464	2,872	257	542
Blissfield	4,546	9,321	1,697	3,942
Grosvenor	14,655	23,826	2,949	4,760
Palmyra	396	799	299	253
Lenawee Junction	43	65	50	60
Adrian	15,788	38,304	24,253	39,138
Clayton	3,330	6,770	681	1,583
Hudson	12,820	26,122	5,952	13,405
Pittsford	2,760	6,734	392	1,030
Osseo	1,822	2,677	296	895
Hillsdale	8,680	23,676	15,724	22,646
Jonesville	4,088	9,046	3,809	8,612
Allen	2,529	6,229	692	1,576
Quincy	5,571	12,918	2,807	5,996
Coldwater	11,806	37,217	12,727	30,276
Batavia	-----	-----	188	379
Bronson	8,808	18,894	2,312	6,137
Burr Oak	5,179	15,483	1,498	3,342
Sturgis	26,870	42,224	6,865	14,779

FREIGHT FORWARDED AND RECEIVED—Continued.

STATIONS.	FREIGHT FORWARDED.		FREIGHT RECEIVED.	
	Tons.	Revenue.	Tons.	Revenue.
Klinger Lake	2,253	\$ 4,068	430	\$ 802
White Pigeon	6,453	19,747	3,572	7,131
Vistula	2,016	4,634	1,046	2,942
Bristol	1,511	3,185	1,071	2,679
Elkhart	12,700	38,046	28,857	52,834
Litchfield	3,302	6,829	1,791	3,686
Homer	3,566	9,042	1,206	2,669
Condit	607	1,085	14	35
Albion	4,197	11,727	6,517	10,169
Devereux	1,571	2,973	154	230
Springport	2,638	5,632	1,208	2,337
Charlesworth	430	637	18	56
Eaton Rapids	6,482	15,942	4,061	6,491
Kingsland	2,856	4,731		
Dimondale	2,255	3,810	274	697
Lansing	24,621	46,765	9,872	22,730
Constantine	5,985	17,991	4,988	11,460
Florence	130	39	176	275
Three Rivers	6,228	17,141	7,660	12,588
Moorepark	1,841	3,218	504	871
Flowerfield	1,726	1,751	70	174
Schoolcraft	4,529	13,097	3,970	8,626
Portage	12	7	88	94
Kalamazoo	17,605	46,402	21,862	35,961
Argenta	1,075	1,407	243	327
Plainwell	4,680	13,034	3,830	7,365
Otsego	4,319	10,343	2,788	4,794
Abronia	1,536	1,231		
Allegan	17,659	27,638	8,240	19,384
Hopkins	6,400	9,111	792	1,636
Hilliard	3,076	3,506	212	571
Dorr	6,199	7,957	946	1,897
Byron Centre	3,908	4,179	566	939
Eagle Mills	16,646	11,748		
Grand Rapids	46,437	92,369	46,992	82,714
Osceola	482	798	79	194
Mishawaka	4,661	13,907	4,643	9,556
South Bend	27,814	53,880	65,578	102,249
Warren	1,475	2,155	65	133
Terre Coupee	3,431	3,944	20	43
Carlisle	4,949	7,408	1,358	2,851
Rolling Prairie	3,611	5,674	321	848
La Porte	54,879	72,501	22,660	41,901
Otis	43,617	34,665	14,075	18,184
Burdick	2,600	2,667	198	255
Morrison	916	905	70	56
Chesterton	8,276	10,330	915	1,877
Bailey Town	230	407		
Millers	21	50	85	165
Pine	831	700	12	23
Whiting	1,667	1,034	62	114
Colehour	2,022	1,093	238	387
South Chicago	1,610	1,050	16,595	24,623
Grand Crossing	540	1,598	14,124	17,838
Englewood	49,960	139,681	110,960	310,584
CHICAGO	1,034,713	3,511,557	850,990	2,087,868
TOTALS	8,350,336	\$13,890,563	336	\$13,890,563
Add—Storage, Elevating, Switching, etc.				157,088
Erie & Pittsburg Railroad freight, [Erie and Girard]				29,643
TOTAL REVENUE				\$14,077,294

For the Year ending December 31, 1880.

[illegible]

DESCRIPTIVE STATEMENT OF FREIGHT FORWARDED FROM EACH STATION—CONTINUED.

STATIONS.	Coal.	Stone and Lime.	Petro-leum.	Pig. Bloom and Railroad Iron.	Other Iron and Castings.	Lumber and other Forest Products.	Animals	Grain.	Agricultural Products (except Grain.)	Flour.	Provisions.	Manufactures.	Merchandise and other Articles.	TOTAL.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
CLEVELAND.....	67,862	33,801	145,889	94,990	87,920	124,568	145,881	450,358	123,363	164,203	100,373	91,384	182,222	1,812,814
Oil City.....	202	14	39,386	1,785	1,152	2,455	10		12			11	1,969	47,099
Renovo.....			3,080										19	3,120
Run.....						140							25	165
Franklin.....		8	25,106		373	174	13	5	14	261	11	68	1,423	27,546
Pork.....						140			80	5			50	284
Raymont.....	20,923		5,292		600	897				12	9	6	33	27,781
Sandy Lake.....					63	101		45	93				182	786
Stoneboro.....		36		476	17,401	10,381		64	50	117	114	301	4,707	146,064
Clark.....	112,417					2,588		23		8	27	101	432	3,159
Hadley.....					25	2,353	55	113	58	34	21		106	2,770
Salem.....						508							11	519
Amasa.....	1,911													1,911
Jamesstown.....	325	23	21		110	1,194	57	128		253	59	171	2,172	4,513
Simon.....						148							10	214
Andover.....					29	901	96	76	76	14		53	180	1,856
Leon.....						911	72		6				40	1,085
Dorset.....		20				1,046		74					12	1,212
Jefferson.....		20			61	581	74	59	185	159	357	148	233	1,827
Plymouth.....						341			30					371
Ashtabula Harbor.....	36	258				374							88,721	89,415
Youngstown.....	88,968	13,037			58,008	81	19	34	30	274		118	10,346	179,167
No. 3 Bank.....	57,110													57,110
Coalburg.....	62,206			5,942	10							5		68,220
Brookfield.....						95	20						57	115
Tyrrell Hill.....	10,741				6	419			35	19	6			11,285
Fowler.....						92	18					217	23	409
Kinsman.....						2,064	1,287		35		677	103	103	4,185
Williamsfield.....						3,660	37	32	45		225	83	82	4,174
Berea.....	385	25,423				82	44		54		21	226	303	26,550
Omsted Falls.....								29	66			61	33	160
Shawville.....		11				122	35		185	81		181	37	491
Elyria.....	89,232	2,173	14	1,883	2,216	461	330	3,298	190			1,980	6,128	107,935
Oberlin.....		7			58	93	383	284	219	100		71	476	1,741
Kipton.....						30		880	319		140		77	1,396
Wakeman.....							991	2,263	1,255				167	7,532
Collins.....		1,613			12	1,016	127	628	330	26	42	147	64	2,687
Norwalk.....		94			10	985	127	10,245	780	375		573	1,955	13,965
Monroeville.....	122,890	75		650	171	1,272	684	4,415	463	156		2,459	4,415	146,960
Bellevue.....		62			1,361	7,497	524	9,271	827	8,448		1,714	1,005	22,203
Clyde.....	10,621	10			107	141	531	9,472	1,090	962		6,400	3,286	32,804
Fremont.....	2,587	3,836			272	2,836	1,328	5,416	3,536	10,965	3,706	1,678	11,250	264,513

DESCRIPTIVE STATEMENT OF FREIGHT FORWARDED FROM EACH STATION—CONTINUED.

STATIONS.	Coal.	Stone and Lime.	Petro- leum.	Pig. Bloom. and Railroad Iron.	Other Iron and Castings.	Lumber and other Forest Products.	Animals	Grain.	Agricult'l Products (except Grain).	Flour.	Provis- ions.	Manu- factures.	Mer- chandise and other Articles.	TOTAL.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Lindsey	286	.....	.....	.....	554	441	2,094	23	.....	73	.....	264	3,449
Elmore	9,310	.....	.....	24	2,873	297	3,352	36	62	195	448	346	7,919
Genoa	17	2,915	101	490	.....	38	6	.....	367	13,351
Millbury	5,152	.....	.....	.....	.....	.....	97	61	5,320
North Amherst.	46,888	.....	.....	17	2,288	.....	659	803	113	93	33	236	51,130
Brownhelm	8,846	.....	.....	20	3,306	81	267	108	410	283	.....	97	10,891
Vermillion	97	.....	.....	.....	1,133	119	781	688	85	123	.....	147	13,114
Ceylon	6,850	.....	.....	21	1,133	135	2,204	1,195	.....	63	.....	683	10,824
Huron	166	.....	.....	.....	133	185	50,547	1,821	100	2,418	.....	218	7,216
Sandusky	1,706	9,405	.....	5,137	781	16,177	26,321	1,739	1,062	2,747	2,477	5,243	15,928	137,531
Venice	20	.....	.....	.....	199	.....	.....	113	718	.....	.....	166	2,955
Danbury	5	.....	.....	.....	82	.....	11	106	.....	20	.....	392	616
Gypsum	243	.....	111	638	.....	11	348	352	1,703
Port Clinton	100	.....	.....	20	1,252	215	849	51	10	415	51	718	3,681
La Carne	720	118	550	.....	.....	9	.....	25	1,422
Oak Harbor	5,337	.....	.....	21	3,351	105	819	31	111	101	.....	222	4,761
Rocky Ridge	60	.....	.....	25	7,337	.....	.....	.....	.....	.....	.....	106	12,805
Graytown	23	7,925	60	262	.....	.....	9	.....	80	8,428
Martin	2,096	.....	.....	.....	7,190	.....	30	.....	.....	.....	27	120	9,463
Clay Center	260	.....	.....	.....	.....	.....	.....	.....	280
Detroit	77	286	18	15,603	4,178	21,265	613	5,988	8,150	621	4,148	16,772	27,249	104,968
GE. TRUNK JUNC.	529	758	285	992	3,285	88,506	4,455	481	882	13	58	6,201	26,215	132,640
Escones	1,117	.....	.....	.....	.....	.....	.....	2	1,119
Wyandotte	2,895	8,300	126	.....	13	469	.....	255	73	2,606	14,013
Trenton	3,461	.....	.....	141	11,014	110	935	96	149	21	337	6,987	23,858
Rockwood	7	2,271	21	664	8	355	21	.....	387	3,822
Newport	401	.....	823	.....	.....	24	.....	83	1,319
Stony Creek	35	.....	.....	.....	.....	.....	35
Warner	60	60
Monroe	54	10	7,566	447	61,481	527	1,894	5,371	2,876	2,088	5,326	34,662	122,302
La Salle	169	.....	.....	.....	.....	169	169
Vienna	7	30	74	.....	.....	.....	.....	23	32	62
West Toledo	10	11	.....	.....	.....	.....	.....	2,315	132	2,542
Wagon Works	451	.....	.....	.....	.....	.....	.....	.....	451
Strasburgh	107	.....	.....	.....	817	.....	522	.....	.....	71	.....	152	1,669
Ida	19	491	25	521	280	9	15	124	50	1,504
Petersburg	491	30	923	691	.....	5	.....	142	4,189
Deerfield	2,472	80	938	86	16	30	247	211	3,798
Corbus	46	.....	.....	.....	2,120	54	928	86	.....	.....	.....	.....	114
Wellsville	84	.....	.....	30	.....	.....	.....	.....	114
Tecumseh	13	.....	107	1,037	1,534	2,203	438	6,681	690	50	1,114	13,876
Clinton	21	.....	392	3,609	371	33	117	18	567	5,128

DESCRIPTIVE STATEMENT OF FREIGHT FORWARDED FROM EACH STATION—CONTINUED.

STATIONS.	Coal.	Stone and Lime.	Petro-leum.	Pig, Bloom and Railroad Iron.	Other Iron and Castings	Lumber and other Forest Products	Animals	Grain.	Agricult ¹ Products except Grain.	Flour.	Provis-ions.	Manu-factures.	Mer-chandise and other Articles.	TOTAL.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Warren .....	.....	.....	.....	.....	.....	10	44	1,409	7	.....	.....	.....	5	1,475
Terre Coupee .....	.....	.....	.....	.....	.....	1,675	.....	1,737	.....	.....	.....	.....	19	3,431
Carlisle .....	.....	.....	.....	.....	30	1,839	781	1,957	52	.....	.....	153	100	4,949
Rolling Prairie .....	.....	.....	.....	.....	.....	523	288	2,635	.....	37	.....	.....	85	3,611
La Porte .....	.....	.....	.....	.....	581	9,994	3,625	5,480	1,059	2,801	183	2,784	22,605	54,879
Ohs	4,250	1,077	36	404	.....	8,563	4,987	3,415	608	242	.....	533	369	43,617
Burdick	24,594	151	.....	42	113	2,114	.....	217	9	.....	6	.....	254	2,600
Morrison .....	.....	.....	.....	.....	.....	916	.....	.....	.....	.....	.....	.....	.....	916
Chesterton .....	.....	.....	.....	.....	.....	745	2,912	850	74	16	16	222	3,418	8,276
Baileytown .....	.....	.....	.....	.....	23	230	.....	.....	.....	.....	.....	.....	.....	230
Millers .....	.....	.....	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	14	21
Pine .....	.....	10	.....	.....	.....	819	.....	.....	.....	.....	.....	.....	2	831
Whiting .....	.....	1,646	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	16	1,667
Colchord .....	.....	1,906	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26	2,022
South Chicago .....	.....	.....	.....	.....	1,382	141	.....	.....	.....	.....	9	.....	69	1,610
Grand Crossing .....	.....	.....	.....	.....	.....	64	4,955	36,503	477	87	.....	.....	540	540
Englewood	149	193	4,334	5,003	10,951	10,353	261,838	376,858	28,223	58,624	151,424	79	8,151	49,960
CHICAGO	1,276	902	301	.....	.....	.....	.....	.....	.....	.....	.....	6,745	122,015	1,034,713
TOTALS	1,239,098	23,060	327,953	309,316	267,331	801,658	637,795	1,727,645	308,039	367,718	314,468	314,587	1,471,668	8,350,336

GENERAL SUMMARY OF PASSENGER BUSINESS,

FOR THE YEAR ENDING DECEMBER 31ST, 1880.

MOVEMENT.

THROUGH PASSENGERS [Buffalo and Chicago]—1880.	1879.	INCREASE.
First Class.....	54,389	44,102
Second Class.....	10,264	7,930
Emigrant.....	20,646	8,413
TOTAL THROUGH.....	85,299	60,445
		24,854 or 41.1 per cent.
WAY PASSENGERS.—		
First Class.....	3,181,128	2,732,120
Second Class.....	20,366	16,746
Emigrant.....	26,692	12,810
TOTAL WAY.....	3,228,186	2,761,676
		466,510 or 16.9 per cent.
TOTAL THROUGH AND WAY.....	3,313,485	2,822,121
		491,364 or 17.4 per cent.
Number of Passengers moved West.....	1,681,495	1,423,817
		257,678 or 18.1 per cent.
Number of Passengers moved East.....	1,631,990	1,398,304
		233,686 or 16.7 per cent.
TOTAL.....	3,313,485	2,822,121
		491,364 or 17.4 per cent.

EARNINGS.

	1880	1879.	INCREASE.
From Through Passengers.....	\$ 705,561.91	\$ 582,973.19	\$122,588.72 or 21.03 per cent.
From Way Passengers.....	3,055,446.15	2,555,030.40	500,415.75 or 19.58 per cent.
TOTAL.....	\$3,761,008.06	\$3,138,003.59	\$623,004.47 or 19.85 per cent.
Gain in Earnings from increased Mileage in 1880.....		\$777,783.50	
Less Decrease in rate per mile 88-1000 of a cent.....		154,779.03	\$623,004.47 or 19.85 per cent.

MILEAGE.

	1880.	1879.	INCREASE.
Number of Miles traveled by Through Passengers.....	46,061,460	32,640,300	13,421,160 or 41.12 per cent.
Number of Miles traveled by Way Passengers.....	130,087,307	108,522,017	21,565,290 or 19.87 per cent.
Number of Miles traveled by All Passengers.....	176,148,767	141,162,317	34,986,450 or 24.79 per cent.
			1880. 1879.
Average Distance traveled by each Through Passenger.....			540 540
Average Distance traveled by each Way Passenger.....			40 39
Average Distance traveled by All Passengers.....			53 50

RATES.

	1880.	1879.
Average Fare from each Through Passenger.....	\$8.27	\$9.65
Average Fare from each Way Passenger.....	.95	.93
Average Fare from All Passengers.....	1.13½	1.11
Average per Mile—Through Passengers [all classes].....	1.532 cents.	1.786 cents.
Average per Mile—Way Passengers [all classes].....	2.349 cents.	2.354 cents.
Average per Mile—All Passengers [all classes].....	2.135 cents.	2.223 cents.

STATISTICS OF PASSENGER BUSINESS—ELEVEN YEARS—1870-1880.

Movement of Passengers.

YEAR.	Movement of Passengers.										Earnings.		
	THROUGH, [BUFFALO AND CHICAGO.]			WAY.			TOTAL THROUGH AND WAY.	WEST- WARD.	EAST- WARD.	THROUGH [BUFFALO & CHICAGO.]	WAY.	TOTAL.	
	CLASS.			CLASS.									
	TOTAL.			TOTAL.									
	TOTAL.			TOTAL.									
First.	Second.	Emig'nt.	First.	Second.	Emig'nt.	First.	Second.	Emig'nt.	THROUGH [BUFFALO & CHICAGO.]	WAY.	TOTAL.		
1870..	61,474	8,277	3,277	73,028	1,944,699	22,859	1,944,699	24,854	1,992,412	993,120	\$859,371 00	\$3,336,589 27	\$4,192,060 27
1871..	54,259	9,094	4,530	67,883	1,935,522	22,212	1,935,522	18,811	1,975,545	989,287	799,059 79	3,207,663 79	4,006,723 58
1872..	62,116	10,046	8,518	80,680	2,092,465	22,369	2,092,465	17,240	2,212,754	1,068,983	980,287 31	3,288,328 31	4,218,548 29
1873..	65,577	9,687	7,031	82,295	2,713,512	22,238	2,713,512	27,118	2,762,868	1,464,268	945,072 65	3,624,657 09	4,569,729 74
1874..	62,873	7,808	3,616	74,297	2,991,277	20,195	2,991,277	10,494	3,021,966	1,521,613	847,568 99	3,401,453 38	4,249,022 37
1875..	58,225	6,611	4,104	68,940	3,076,497	17,423	3,076,497	7,374	3,101,294	1,562,778	759,523 24	3,163,274 64	3,922,797 88
1876..	79,250	5,467	3,624	88,341	3,012,754	13,189	3,012,754	5,639	3,119,923	1,540,629	747,821 73	2,916,326 14	3,664,147 87
1877..	47,682	9,260	3,178	60,120	2,660,258	14,601	2,660,258	7,316	2,683,175	1,382,228	623,023 70	2,579,575 96	3,203,199 66
1878..	42,977	8,814	4,331	56,122	2,662,475	16,997	2,662,475	10,438	2,689,910	1,383,712	581,399 30	2,475,993 43	3,057,392 73
1879..	44,102	7,930	8,413	60,445	2,732,120	16,746	2,732,120	12,810	2,761,676	1,388,717	582,073 19	2,555,030 40	3,138,003 59
1880..	54,389	10,264	20,646	85,299	3,181,128	20,366	3,181,128	26,692	3,228,186	1,681,495	705,561 91	3,055,446 15	3,761,008 06

Mileage.

Rates.

YEAR.	Mileage.						Rates.													
	[THROUGH, BUFFALO & CHICAGO.		WAY.	TOTAL.		A.V. DISTANCE TRAVELED BY EACH PASSENGER.		AVERAGE FARE FROM EACH PASSENGER.		AVERAGE PER MILE, ALL CLASSES.										
						Through.	Way.	Miles.	All.	Through.	Way.	All.	Through.	Way.	All.					
1870.	39,435,120	121,064,994	160,500,114	540	61	77	\$11 72	\$1 61	\$2 03	2 17	2 17	2 17	2 75	3 01	2 612					
1871.	36,656,820	106,547,587	143,204,407	540	54	70	11 77	1 62	1 96	2 18	2 14	2 18	2 74	2 69	2 569					
1872.	43,567,200	118,741,295	162,308,495	540	55	74	11 53	1 54	1 92	2 14	2 13	2 14	2 74	2 69	2 542					
1873.	44,439,300	134,923,873	179,363,173	540	49	63	11 48	1 31	1 80	2 11	2 11	2 11	2 55	2 43	2 378					
1874.	40,120,380	133,104,192	173,224,572	540	44	56	11 41	1 24	1 87	2 11	2 11	2 11	2 55	2 43	2 378					
1875.	37,227,600	127,723,261	164,950,861	540	41	52	11 02	1 02	1 74	2 04	2 04	2 04	2 48	2 39	2 283					
1876.	47,704,140	127,806,361	175,510,501	540	42	56	8 46 1/2	96	1 17 1/2	1 57	1 57	1 57	2 28	2 44	2 000					
1877.	32,464,800	105,651,818	138,116,618	540	39	50	10 37 1/2	93	1 12 1/2	1 92	1 92	1 92	2 39	2 35	2 283					
1878.	30,395,880	108,396,141	133,702,021	540	38	49	9 36	92	1 11	1 91	1 91	1 91	2 39	2 35	2 283					
1879.	32,640,300	108,522,017	141,162,317	540	39	50	9 65	93	1 11	1 79	1 79	1 79	2 35	2 35	2 233					
1880.	46,061,460	130,087,307	176,148,767	540	40	53	8 27	95	1 13 1/2	1 53	1 53	1 53	2 35	2 35	2 135					

NUMBER OF PASSENGERS LEAVING EACH STATION,

AND

Revenue Derived Therefrom.

STATIONS.	NUMBER OF PASSENGERS.			EARNINGS.		
	1880.	1879.	1878.	1880.	1879.	1878.
Buffalo	200,589	154,282	136,742	\$ 771,465	\$ 619,190	\$ 594,575
West Seneca	5,104	4,582	4,439	690	615	570
Bay View	2,732	3,451	2,263	524	634	433
Athol	93	81	295	18	16	59
Hamburg	1,667	1,213	1,506	612	436	518
Lake View	2,756	2,852	3,205	1,078	953	1,174
Derby	3,263	2,702	2,750	1,181	992	924
Angola	9,994	9,837	9,774	4,808	4,654	4,566
Farnham	3,398	2,048	2,112	918	698	805
Irving	3,089	2,929	3,026	1,224	1,143	1,201
Silver Creek	12,522	10,742	10,263	6,073	5,614	5,434
Sheridan	661	716	710	185	212	181
Dunkirk	51,923	41,648	44,258	71,348	57,273	64,113
Morians	144	200	173	52	62	50
Brocton	26,152	19,210	13,876	23,275	17,040	11,802
Portland	2	77	348	2	34	95
Westfield	11,489	10,549	13,044	9,026	8,032	10,383
Ripley Crossing	940	1,111	1,328	223	261	259
Ripley	5,231	4,509	5,461	2,342	2,040	2,455
State Line	2,713	2,006	2,106	853	709	764
North East	18,445	16,733	19,179	9,732	8,492	9,624
Moorhead	2,902	2,842	3,026	839	690	726
Harbor Creek	4,123	3,570	4,344	1,046	869	1,064
Wesleyville	1,108	1,294	1,310	171	209	228
Erie	72,377	64,294	67,066	90,995	79,730	80,318
Swanville	1,986	1,950	1,714	543	600	542
Fairview	4,570	3,419	3,877	1,767	1,511	1,518
Girard	25,501	20,219	19,855	15,615	15,810	13,922
Springfield	1,959	1,750	2,150	1,105	1,068	1,259
Conneaut	10,603	9,282	10,044	9,789	8,190	8,468
Amboy	517	509	583	180	200	179
Kingsville	4,489	3,954	4,216	2,514	2,463	2,498
Oil City	11,966	9,991	13,011	6,434	5,029	7,019
Reno	3,089	2,662	3,639	443	347	488
Run	192	164	246	26	23	47
Franklin	16,586	14,858	20,026	9,531	9,922	10,613
Summit	205	212	316	52	61	79
Polk	2,590	2,564	3,066	795	759	877
Raymilton	4,119	3,587	3,893	1,336	1,221	1,273
Sandy Lake	8,712	8,629	8,872	2,964	2,913	3,049
Stoneboro	10,068	8,410	10,046	4,482	3,747	4,467
Clark	1,878	1,696	1,936	650	566	637
Hadley	2,500	2,309	2,872	1,029	1,060	1,234
Salem	400	389	471	138	137	170
Amasa	2,994	2,310	2,824	1,574	1,188	1,468
Jamestown	5,628	5,687	7,186	4,656	4,864	5,790
Turner	293	250	298	43	44	62
Simon	620	648	755	223	232	296
Youngstown	9,717	6,685	2,057	10,103	7,193	1,573
Thornhill	118	52	13	76	14	3
Doughton	516	393	178	184	107	83
Coalburg	3,784	2,468	940	1,060	651	340
Brookfield	770	353	67	317	110	22
Tyrell Hill	1,025	672	476	472	290	260
Fowler	798	703	368	405	334	190
Latimer	1,253	757	271	401	257	99
Kinsman	2,483	2,031	1,291	1,778	1,395	907
Gravel Pit	272	63		70	45	
Stanhope	413	98		131	36	
Williamsfield	3,485	2,338	1,939	1,633	1,068	805
Andover	7,854	7,322	7,291	3,856	3,535	3,636
Leon	3,444	2,922	2,549	1,537	1,284	1,188
Dorset	2,779	2,547	1,692	1,053	898	648
Jefferson	14,533	14,635	11,160	6,808	6,214	5,055
Griggs	408	364	265	114	102	69
Plymouth	680	481	422	136	101	93
Ashtabula	40,099	35,388	34,754	35,754	30,628	30,651
Saybrook	1,289	1,275	1,515	667	599	616

NUMBER OF PASSENGERS LEAVING EACH STATION—CONTINUED.

STATIONS.	NUMBER OF PASSENGERS.			EARNINGS.		
	1880.	1879.	1878.	1880.	1879.	1878.
Geneva	19,220	14,440	14,215	12,840	9,995	9,729
Unionville	3,060	2,461	2,816	1,443	1,281	1,315
Madison	8,541	7,280	7,888	4,247	4,007	4,106
Perry	4,014	3,247	3,182	1,579	1,332	1,307
Lane	928	817	566	191	176	120
Painesville	41,362	34,522	33,504	34,050	28,762	28,201
Heisley	264	279	178	99	108	78
Mentor	14,220	5,378	5,572	4,876	2,614	2,490
Reynolds	547	341	375	187	127	117
Willoughby	14,689	13,327	13,414	7,185	6,376	6,678
Wickliffe	3,147	2,170	2,175	781	622	644
Noble	925	542	619	246	147	173
Nottingham	5,447	5,588	5,113	1,384	1,338	1,427
Collinwood	8,939	8,360	7,285	2,457	2,156	2,018
Coits	6,934	5,201	8,658	641	457	749
Glenville	24,219	24,875	12,203	5,710	5,535	3,128
Cleveland	253,775	221,975	202,854	505,935	430,085	417,110
West Cleveland	903	1,064	1,540	120	134	190
Rockport	1,000	692	761	205	150	168
Town Line	314	267	317	79	71	90
Berea	14,788	12,924	11,491	9,342	7,732	7,685
Olmsted	4,207	3,761	3,843	1,663	1,628	1,606
Shawville	3,800	3,267	3,334	1,320	1,233	1,395
Elyria	56,157	50,468	47,793	46,598	40,703	37,890
Amherst	11,215	10,123	9,885	5,465	4,616	4,477
Brownhelm	3,250	2,812	2,903	1,165	929	939
Vermillion	9,900	8,548	7,663	5,386	4,864	4,379
Ceylon	3,741	3,394	5,105	1,631	1,427	2,145
Huron	8,640	7,354	7,274	4,543	3,992	3,645
Sandusky	35,046	30,309	29,472	33,002	28,515	27,198
Venice	1,469	1,198	1,355	498	409	453
Danbury	3,939	2,970	2,877	1,215	878	879
Gypsum	2,961	2,433	2,481	847	704	650
Port Clinton	15,755	13,705	14,601	8,095	7,299	7,406
La Carne	2,127	1,689	2,527	724	570	809
Oak Harbor	8,257	6,880	7,340	3,606	3,109	3,198
Rocky Ridge	5,603	4,124	3,607	1,967	1,408	1,222
Graytown	4,697	4,123	4,123	1,910	1,659	1,668
Martin	4,380	3,723	4,126	1,874	1,612	1,564
Oberlin	27,477	25,636	25,038	21,587	18,635	18,847
Kipton	4,327	3,259	3,544	2,093	1,700	1,884
Wakeman	8,790	8,439	8,298	5,551	5,360	5,299
Collins	4,918	4,375	4,605	2,555	2,444	2,372
Norwalk	40,751	38,813	38,534	31,219	28,361	27,549
Monroeville	27,616	25,603	25,444	21,954	19,602	18,914
Bellevue	17,968	18,604	17,108	11,486	11,189	10,590
Clyde	32,133	29,763	30,092	25,126	22,017	21,295
Fremont	42,663	37,059	36,328	34,962	26,972	25,863
Lindsey	4,973	4,031	4,266	1,649	1,353	1,342
Elmore	11,888	10,963	10,671	5,615	5,145	5,209
Genoa	9,596	8,778	8,769	3,922	3,742	3,754
Millbury	7,670	6,265	6,596	2,532	1,935	1,990
East Toledo	1,645	1,409	1,709	1,057	755	853
Detroit	30,740	21,995	23,313	62,564	49,040	50,665
Grand Trunk Junction	4,191	3,491	3,900	7,638	5,789	6,265
Ecorces	694	662	860	484	179	258
Wyandotte	4,442	2,862	3,032	2,052	1,265	1,341
Trenton	7,142	2,474	2,246	3,787	1,012	897
Rockwood	2,530	2,115	2,580	1,230	998	1,270
Newport	1,520	1,328	2,216	597	592	821
Stony Creek	203	163	326	76	60	86
Monroe	21,977	22,110	24,946	21,017	20,183	22,378
Strasburg	390	325	230	111	85	62
Ida	3,068	2,411	3,208	1,191	1,025	1,322
Ann Arbor Junction	3,074	2,102	.....	1,146	802	.....
Petersburg	5,727	4,515	4,988	2,564	2,186	2,657
Deerfield	6,361	5,149	4,872	2,469	2,181	2,079
Corbus	942	.....	.....	325	.....	.....
Sisson	1,318	827	738	236	157	157
Wellsville	671	596	654	180	165	162
La Salle	498	328	677	118	72	160
Vienna	1,204	1,405	2,512	479	538	963

NUMBER OF PASSENGERS LEAVING EACH STATION—CONTINUED.

STATIONS.	NUMBER OF PASSENGERS.			EARNINGS.		
	1880.	1879.	1878.	1880.	1879.	1878.
Alexis.....	119	112	185	45	48	58
West Toledo.....	553	400	574	309	207	281
Wagon Works.....	11,200	10,432	11,514	1,308	1,205	1,373
Toledo.....	168,407	151,836	153,552	256,724	227,178	227,103
Air Line Junction.....	3,027	2,284	2,292	1,631	1,229	1,326
Richards.....	510	350	473	194	113	150
Sylvania.....	6,591	5,502	6,299	2,472	2,112	2,322
Ottawa Lake.....	3,598	3,223	3,948	1,372	1,341	1,397
Riga.....	3,905	3,315	3,549	1,414	1,238	1,302
Blissfield.....	12,354	11,080	10,927	6,131	5,505	5,458
Grosvenor.....	10,032	4,177	4,233	6,157	2,658	2,790
Palmyra.....	210	54	77	74	11	75
Lenawee.....	11,184	8,323	8,658	4,696	3,808	3,760
Adrian.....	57,841	49,576	48,237	52,557	44,186	43,077
Chases.....	667	608	692	156	170	190
Tecumseh.....	18,096	16,086	16,157	11,664	10,290	10,394
Clinton.....	8,772	7,973	8,884	4,327	3,885	3,879
River Raisin.....	347	377	397	124	192	140
Manchester.....	7,190	7,774	7,248	4,148	3,846	3,910
Norvell.....	2,713	2,502	2,448	1,106	1,050	1,019
Napoleon.....	4,993	4,694	4,735	2,025	1,945	2,009
Eldrid.....	280	211	255	79	74	73
Jackson.....	20,084	19,418	19,204	27,530	25,734	27,164
Clayton.....	6,357	5,607	6,009	3,523	3,233	3,087
Hudson.....	19,936	18,369	18,857	16,521	14,833	15,098
Pittsford.....	5,235	4,574	4,555	2,490	2,296	2,034
Osseo.....	3,572	3,202	3,492	1,846	1,682	1,913
Hillsdale.....	29,932	25,841	24,476	24,477	22,029	21,529
Jonesville.....	28,424	25,432	21,898	18,435	16,397	14,760
Litchfield.....	6,253	5,558	5,084	2,636	2,252	2,107
Homer.....	7,727	6,469	5,967	3,578	2,882	2,851
Condit.....	463	282	342	154	90	129
Albion.....	11,638	10,648	10,874	6,395	5,910	6,227
Devereux.....	1,933	1,586	1,714	661	510	493
Springport.....	5,173	4,742	4,424	2,271	2,060	1,774
Charlesworth.....	1,707	1,719	1,518	504	487	456
Eaton Rapids.....	9,550	8,649	8,274	6,380	6,163	5,988
Kingsland.....	236	128	148	68	41	52
Dimondale.....	3,520	3,036	3,208	1,509	1,293	1,375
Packards.....	53	38	61	13	10	13
South Lansing.....	42	37	37	20	19	17
Lansing.....	12,657	11,458	9,867	14,838	14,106	12,105
North Lansing.....	344	410	365	566	694	529
Allens.....	3,550	2,637	2,754	2,420	1,744	1,852
Quincy.....	10,051	8,399	8,150	6,495	5,955	5,574
Coldwater.....	27,611	22,520	24,742	29,324	25,955	25,225
Batavia.....	1,672	679	897	500	327	378
Bronson.....	8,873	7,326	7,790	6,262	5,085	5,260
Burr Oak.....	7,634	6,722	6,304	3,938	3,493	3,695
Sturgis.....	16,753	14,044	13,283	14,992	12,660	12,874
Douglas.....	7,248	6,687	6,706	1,669	1,477	1,217
White Pigeon.....	21,803	18,325	18,878	16,665	13,907	13,895
Constantine.....	10,574	9,125	10,242	4,262	3,793	4,106
Florence.....	412	290	262	82	85	85
Three Rivers.....	16,970	14,503	16,175	10,286	9,513	10,203
Moorepark.....	1,818	1,557	1,755	704	663	585
Flowerfield.....	1,356	1,197	1,421	642	547	595
Schoolcraft.....	10,505	9,092	8,350	5,406	4,835	4,648
Portage.....	1,022	1,328	1,144	295	356	335
Kalamazoo.....	27,824	24,997	23,740	24,007	21,425	21,382
Cooper.....	382	301	387	136	113	129
Argenta.....	1,349	1,208	1,199	415	387	365
Plainwell.....	6,668	5,709	6,393	3,287	2,802	3,025
Otsego.....	7,653	7,054	6,169	3,542	3,133	2,836
Abronia.....	968	802	1,170	463	333	365
Allegan.....	18,529	15,410	14,413	14,897	12,040	11,235
Hopkins.....	5,435	5,132	4,388	2,626	2,299	2,317
Hilliards.....	3,070	2,537	1,904	1,504	1,042	859
Dorr.....	4,087	3,818	3,917	2,520	2,268	2,365
Byron.....	4,400	4,015	3,352	1,989	1,865	1,658
Grandville.....	439	418	490	179	167	198
Eagle Mills.....	431	454	549	70	77	83

NUMBER OF PASSENGERS LEAVING EACH STATION—CONTINUED.

STATIONS.	NUMBER OF PASSENGERS.			EARNINGS.		
	1880.	1879.	1878.	1880.	1879.	1878.
Grand Rapids.....	19,268	17,197	15,020	27,928	23,430	22,996
Vistula.....	2,912	2,571	2,411	1,630	1,438	1,234
Bristol.....	6,288	5,822	5,724	2,516	2,249	2,243
Holland.....	2,018	1,561	1,671	686	508	586
Swanton.....	6,989	5,581	4,547	3,505	2,801	2,326
Delta.....	10,150	8,158	7,471	5,053	4,152	3,960
Wauseon.....	18,978	17,115	15,137	11,857	10,985	10,726
Pettisville.....	3,757	2,773	2,737	1,376	1,133	1,091
Archbald.....	7,064	5,807	4,628	3,619	2,808	2,138
Stryker.....	8,918	6,251	6,268	4,772	3,677	3,695
Bryan.....	22,786	16,020	16,912	18,783	15,359	14,613
Melbern.....	956	767	1,120	390	905	401
Edgerton.....	9,599	7,775	7,385	5,115	4,222	3,900
Butler.....	9,773	8,281	7,509	7,444	6,252	5,785
Waterloo.....	13,189	11,773	12,037	11,888	10,570	9,910
Sedan.....	506	442	693	100	89	128
Corunna.....	3,690	2,855	2,747	1,305	1,203	940
Kendallville.....	16,191	13,616	13,778	14,722	13,626	13,442
Brimfield.....	2,565	2,280	2,868	1,322	1,158	1,373
Wawaka.....	2,475	2,100	2,229	874	868	797
Ligonier.....	12,605	11,240	10,815	9,313	8,470	7,767
Millersburg.....	3,225	2,714	2,763	1,235	1,109	1,006
Goshen.....	28,934	25,640	25,896	19,568	17,584	16,260
Dunlaps.....	635	478	493	123	92	95
Elkhart.....	70,134	58,732	56,877	63,016	53,235	50,539
Osceola.....	1,748	1,571	1,570	549	436	403
Mishawaka.....	14,239	9,575	9,739	5,769	4,345	4,356
South Bend.....	49,015	39,023	36,468	46,574	40,234	36,013
Warren.....	829	790	862	283	255	270
Terre Coupee.....	889	794	815	379	364	358
New Carlisle.....	6,227	5,061	5,028	3,271	2,755	2,705
Rolling Prairie.....	4,293	3,675	3,891	1,801	1,422	1,535
La Porte.....	30,905	26,134	24,193	30,697	26,184	24,150
Foresters.....	153	162	268	70	75	105
Otis.....	4,606	4,528	4,291	3,378	2,979	2,828
Burdick.....	1,044	748	640	451	315	285
Chesterton.....	2,610	1,960	1,776	1,830	1,333	1,241
Millers.....	610	572	581	439	420	377
Pine.....	160	125	134	85	63	80
Whiting.....	1,604	827	750	495	240	194
Colehour.....	10,719	8,310	3,920	1,908	1,490	767
100th Street.....	8,174	5,039	8,241	1,095	744	1,209
South Chicago.....	34,225	22,804	20,811	7,251	4,268	3,803
Grand Crossing.....	12,916	12,908	9,158	4,409	3,799	3,691
Brookline.....	344	512	271	45	61	33
Englewood.....	46,356	39,917	38,515	8,510	7,178	7,153
Chicago.....	187,151	147,430	139,586	645,017	506,159	488,093
Chicago City Travel.....	262,452	226,870	223,973			

UNITED STATES CENSUS.

Rank in 1880.	STATES.	No. ad- mitted to Union.	Year admitted to Union.	No. square Miles in each State.	No. Inhab- ants per sq. mile in 1880.	Per Cent of Increase 1880 over 1870.	1880.	1870.	1860.	1850.	1840.	1830.	1820.	1810.	1800.	1790.
1	New York			47,000	108.2	16.	5,083,810	4,399,769	3,890,735	3,097,394	2,498,921	1,918,608	1,372,812	959,049	589,051	340,120
2	Pennsylvania			46,000	88.1	21.6	2,424,586	2,591,951	2,906,315	2,931,786	1,724,033	1,348,233	1,049,458	810,091	602,365	434,373
3	Ohio	17	1802	23,964	50.6	21.2	3,198,289	2,593,200	2,393,511	1,980,329	1,519,467	1,037,903	581,434	230,760	45,365	
4	Illinois	21	1815	55,465	80.6	21.2	3,078,299	2,791,305	2,183,019	1,851,470	1,476,183	1,037,903	581,434	230,760	45,365	
5	Indiana	24	1816	36,803	58.6	21.2	1,708,984	1,680,627	1,320,198	988,044	683,702	440,455	240,845	90,845	5,641	
6	Massachusetts			7,800	228.9	21.2	1,768,972	1,867,351	1,921,066	994,514	737,690	472,048	240,845	90,845	5,641	
7	Kentucky	15	1792	37,680	33.9	21.2	1,648,391	1,381,080	1,155,084	982,405	779,898	687,917	564,317	405,511	220,955	378,787
8	Michigan	26	1837	30,914	31.0	21.2	1,664,620	1,381,080	1,155,084	982,405	779,898	687,917	564,317	405,511	220,955	378,787
9	Iowa	23	1846	23,704	6.7	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
10	Texas	28	1846	45,600	33.8	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
11	Tennessee	16	1796	58,000	36.4	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
12	Georgia			26,332	37.4	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
13	Virginia			58,000	36.4	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
14	North Carolina			58,000	36.4	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
15	Wisconsin	30	1848	58,000	36.4	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
16	Alabama	23	1819	50,722	24.9	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
17	Mississippi	20	1817	47,156	24.7	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
18	New Jersey	34	1861	76,418	340.7	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
19	Kansas			29,385	33.9	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
20	South Carolina	18	1812	41,225	32.8	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
21	Louisiana			11,224	84.6	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
22	Maryland	31	1850	186,351	15.4	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
23	California	25	1850	52,198	8.2	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
24	Arkansas	32	1858	96,274	8.2	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
25	Minnesota	23	1850	31,766	133.2	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
26	Maine	35	1863	23,000	26.9	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
27	Connecticut	37	1867	76,995	6.7	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
28	West Virginia			23,000	37.4	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
29	Nebraska	14	1791	10,212	32.5	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
30	New Hampshire			9,280	37.4	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
31	Rhode Island	27	1848	59,268	4.5	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
32	Vermont	38	1876	104,500	1.9	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
33	Florida	33	1859	102,006	69.2	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
34	Colorado			2,120	69.2	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
35	Oregon			112,090	6.6	21.2	1,532,570	1,318,570	1,099,810	1,002,717	830,210	681,904	492,823	261,737	105,602	35,691
36	Delaware															
37	Nevada															
38	Total popul'n U. S.						49,399,595	38,156,505	31,218,021	23,067,202	17,019,641	12,820,808	9,605,414	7,215,858	5,204,390	3,929,214

UNITED STATES CENSUS.—Continued.

Rank in 1880.	TERRITORIES.	No. Square Miles in each Territory.	No. Inhabit- ants per square mile in 1880.	Per Cent. of Increase 1880 over 1870.	1880.	1870.	1860.	1850.	1840.	1830.	1820.	1810.	1800.	1790.
1	District Columbia.....	60	2,960.6	34.9	177,638	131,700	75,080	51,687	43,712	39,834	33,039	24,023	14,093	-----
2	Utah.....	84,476	1.7	65.8	143,906	86,786	40,373	11,980	-----	-----	-----	-----	-----	-----
3	Dakota.....	50,932	2.6	83.5	135,180	14,181	4,837	-----	-----	-----	-----	-----	-----	-----
4	New Mexico.....	121,201	1.1	23.9	118,430	91,574	93,516	61,547	-----	-----	-----	-----	-----	-----
5	Washington.....	69,994	1.1	213.2	75,120	23,453	11,594	-----	-----	-----	-----	-----	-----	-----
6	Arizona.....	113,916	.4	318.7	40,441	9,658	-----	-----	-----	-----	-----	-----	-----	-----
7	Montana.....	143,776	.3	90.1	39,157	20,535	-----	-----	-----	-----	-----	-----	-----	-----
8	Idaho.....	86,394	.4	117.6	32,611	14,999	-----	-----	-----	-----	-----	-----	-----	-----
9	Wyoming.....	97,888	.2	127.1	20,788	9,118	-----	-----	-----	-----	-----	-----	-----	-----
	Total population Territories.....				763,271	402,866	225,300	124,614	43,712	39,834	33,039	24,023	14,093	-----
	Grand Total.....				50,152,866	38,558,371	31,443,321	23,191,876	17,063,853	13,560,702	9,638,453	7,239,861	5,308,483	3,929,214

UNITED STATES CENSUS.

CITIES CONTAINING A POPULATION OF MORE THAN 30,000.

Rank in 1880.	CITIES.	1880.	1870.	1860.	1850.	1840.	1830.	1820.	1810.	1800.	1790.
1	New York.....	1,206,590	942,292	813,369	515,547	342,710	202,589	123,706	96,373	60,489	33,131
2	Philadelphia, Pa.	846,984	674,022	565,529	340,045	230,423	161,410	112,772	91,874	69,403	42,520
3	Brooklyn, N. Y.	566,689	396,099	266,661	96,833	36,233	15,396	7,175	4,402	3,298	-----
4	*Chicago, Ill.	503,304	298,977	109,260	29,963	4,470	-----	-----	-----	-----	-----
5	Boston, Mass.	362,535	278,849	266,661	136,881	93,383	61,392	43,298	38,250	24,937	18,038
6	St. Louis, Mo.	350,522	310,864	160,773	77,869	16,469	5,852	4,798	1,600	-----	-----
7	Baltimore, Md.	332,190	267,354	212,481	167,034	102,213	80,621	69,733	35,388	26,114	13,503
8	Cincinnati, O.	255,708	216,239	162,044	115,436	46,338	24,831	9,642	2,540	750	-----
9	San Francisco, Cal.	233,956	149,473	56,802	34,776	-----	-----	-----	-----	-----	-----
10	New Orleans, La.	216,140	191,418	168,675	116,375	102,193	46,310	27,176	17,248	-----	5,338
11	*Cleveland, O.	160,142	92,829	43,417	17,600	6,071	1,075	150	57	-----	-----
12	Pittsburg, Pa.	156,381	86,076	49,217	46,601	21,115	12,568	7,248	4,768	1,565	-----
13	*Buffalo, N. Y.	155,137	117,714	81,129	42,261	18,213	8,635	2,095	1,508	-----	-----
14	Washington, D. C.	147,307	109,139	61,122	40,001	23,364	18,827	13,247	8,208	3,210	-----
15	Newark, N. J.	136,400	105,059	71,941	38,894	17,290	10,955	6,507	1,508	-----	-----
16	Louisville, Ky.	123,645	100,753	68,034	43,194	21,210	10,341	4,012	1,357	359	-----
17	Jersey City, N. J.	120,728	82,510	29,226	6,856	-----	-----	-----	-----	-----	-----
18	*Detroit, Mich.	116,342	79,577	45,619	21,019	9,102	2,222	1,442	770	-----	-----
19	Milwaukee, Wis.	115,578	71,440	45,246	20,061	1,700	-----	-----	-----	-----	-----
20	Providence, R. I.	104,350	68,904	50,666	41,513	23,171	16,832	11,761	10,091	7,414	6,308
21	Albany, N. Y.	90,903	69,422	62,367	50,763	33,721	24,238	12,630	9,356	5,289	3,498
22	Rochester, N. Y.	89,363	62,386	48,204	36,403	20,191	9,296	1,502	-----	-----	-----
23	Allegheny, Pa.	78,681	53,180	28,702	21,262	-----	-----	-----	-----	-----	-----
24	Indianapolis, Ind.	75,074	48,244	18,611	8,091	2,692	-----	-----	-----	-----	-----
25	Richmond, Va.	68,803	51,038	37,907	27,570	20,153	16,060	12,067	9,735	5,737	3,761
26	New Haven, Ct.	69,882	50,810	39,267	20,345	12,960	10,180	7,147	5,772	4,049	-----
27	Lowell, Mass.	59,485	40,928	36,827	33,383	20,796	6,474	-----	-----	-----	-----
28	Worcester, Mass.	58,295	41,105	24,960	17,049	7,497	-----	-----	-----	-----	-----
29	Troy, N. Y.	56,747	46,465	39,232	28,785	19,334	11,405	5,264	3,895	-----	-----
30	Kansas City, Mo.	55,813	32,260	4,418	-----	-----	-----	-----	-----	-----	-----
31	Cambridge, Mass.	52,740	39,934	26,060	15,215	8,409	-----	-----	-----	-----	-----
32	Syracuse, N. Y.	51,791	43,051	23,119	22,271	6,500	-----	-----	-----	-----	-----
33	Columbus, O.	51,665	31,274	18,554	17,882	6,048	-----	-----	-----	-----	-----
34	Patterson, N. J.	50,887	33,579	19,586	11,334	7,596	-----	-----	-----	-----	-----
35	*Toledo, O.	50,143	31,584	13,768	8,329	1,232	-----	-----	-----	-----	-----
36	Charleston, S. C.	49,999	48,956	40,522	42,985	29,261	30,389	24,780	24,711	20,473	16,359
37	Fall River, Mass.	49,006	26,766	14,026	11,524	6,738	-----	-----	-----	-----	-----
38	Minneapolis, Minn.	46,887	13,036	2,563	-----	-----	-----	-----	-----	-----	-----
39	Scranton, Pa.	45,850	35,092	9,223	-----	-----	-----	-----	-----	-----	-----
40	Nashville, Tenn.	43,461	25,865	16,988	10,165	10,478	6,929	5,566	-----	-----	-----
41	Reading, Pa.	43,280	33,930	23,162	15,743	8,410	-----	-----	-----	-----	-----
42	Hartford, Conn.	42,553	37,180	29,152	17,966	9,465	7,076	4,726	3,955	-----	-----
43	Wilmington, Del.	42,499	30,841	21,258	13,979	8,367	-----	-----	-----	-----	-----
44	Camden, N. J.	41,658	26,045	14,358	9,479	-----	-----	-----	-----	-----	-----
45	St. Paul, Minn.	41,498	20,030	10,401	1,112	-----	-----	-----	-----	-----	-----
46	Lawrence, Mass.	39,178	28,921	17,639	8,282	6,067	-----	-----	-----	-----	-----
47	Dayton, O.	38,677	30,743	20,081	10,977	-----	-----	-----	-----	-----	-----
48	Lynn, Mass.	38,284	28,233	19,083	14,257	9,367	-----	-----	-----	-----	-----
49	Atlanta, Ga.	37,421	21,789	9,556	-----	-----	-----	-----	-----	-----	-----
50	Denver, Col.	35,680	4,759	4,749	-----	-----	-----	-----	-----	-----	-----
51	Oakland, Cal.	34,556	10,500	1,549	-----	-----	-----	-----	-----	-----	-----
52	Utica, N. Y.	33,913	28,804	22,529	17,565	12,782	8,323	2,972	-----	-----	-----
53	Portland, Me.	33,810	31,413	26,341	20,815	12,218	12,601	8,581	7,169	3,677	-----
54	Memphis, Tenn.	33,593	40,226	22,621	8,841	-----	-----	-----	-----	-----	-----
55	Springfield, Mass.	33,340	26,703	15,199	11,766	10,985	6,784	3,914	2,767	-----	-----
56	Manchester, N. H.	32,630	28,536	20,107	13,932	-----	-----	-----	-----	-----	-----
57	St. Joseph, Mo.	32,484	19,565	8,932	-----	-----	-----	-----	-----	-----	-----
58	*Grand Rapids, Mich.	32,015	16,507	8,084	2,686	-----	-----	-----	-----	-----	-----
59	Wheeling, W. Va.	31,266	19,008	14,083	11,435	7,885	-----	-----	-----	-----	-----
60	Mobile, Ala.	31,205	32,034	29,258	20,515	12,672	3,194	1,500	-----	-----	-----
61	Hoboken, N. J.	30,999	24,766	2,556	1,345	-----	-----	-----	-----	-----	-----
62	Harrisburg, Pa.	30,762	23,104	13,405	7,834	5,986	-----	-----	-----	-----	-----
63	Savannah, Ga.	30,681	28,235	22,292	15,312	11,214	7,776	7,523	5,215	5,166	-----
64	Omaha, Neb.	30,518	16,083	1,881	-----	-----	-----	-----	-----	-----	-----
71	*Erie, Pa.	27,730	19,646	9,419	5,858	3,412	-----	-----	-----	-----	-----
137	*Jackson, Mich.	16,105	11,447	4,799	2,363	-----	-----	-----	-----	-----	-----
142	*Sandusky, O.	15,838	13,000	8,408	-----	-----	-----	-----	-----	-----	-----
147	*Youngstown, O.	15,431	8,075	2,759	-----	-----	-----	-----	-----	-----	-----
167	*South Bend, Ind.	13,279	7,206	3,803	1,652	-----	-----	-----	-----	-----	-----
193	*Kalamazoo, Mich.	11,937	9,181	6,070	2,507	-----	-----	-----	-----	-----	-----

* L. S. & M. S. Ry. Stations.

